



Regione Autonoma della Sardegna
CONSORZIO DI BONIFICA DELL'ORISTANESE
Via Cagliari n. 170 - Oristano

Riqualificazione idraulica della bonifica dello stagno di Sassu
(Fase 1) - **AG_AGR_025**
CAT: P0518
CUP: G22H18000320002

PROGETTO ESECUTIVO

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Il Presidente Dott. Carlo Corrias

Titolo: Relazione Calcolo Strutturale					D.01
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luglio 2022

Relazione di calcolo strutturale impostata e redatta secondo le modalità previste nel D.M. 17 Gennaio 2018 cap. 10 “Redazione dei progetti strutturali esecutivi e delle relazioni di calcolo”.

Origine e Caratteristiche dei Codici di Calcolo		
Codice di calcolo:	PRO_SAP PROfessional Structural Analysis Program	
Versione:	e-TIME (build 2020-09-190)	
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l. Via Garibaldi, 90 44121 Ferrara FE (Italy) Tel. +39 0532 200091 www.2si.it	
Codice Licenza:	E-time	
	1220-064/con	

Descrizione	
Progetto	
Ubicazione	Comune di ORISTANO (OR) (Regione SARDEGNA)
	Località ORISTANO (OR)
	Longitudine 8.595, Latitudine 39.903
Progettista	

In merito al punto 10.2 delle Norme Tecniche per le Costruzioni (*Affidabilità dei codici utilizzati*), si fa riferimento al **Documento di Affidabilità** “Test di validazione del software di calcolo PRO_SAP e dei moduli aggiuntivi PRO_SAP Modulo Geotecnico, PRO_CAD nodi acciaio e PRO_MST” - versione Agosto 2020, disponibile per il download sul sito: <https://www.2si.it/it/prodotti/affidabilita/>

INTESTAZIONE E CONTENUTI DELLA RELAZIONE

Progetto

Contenuti della relazione:

RELAZIONE DI CALCOLO STRUTTURALE

- *Origine e Caratteristiche dei Codici di Calcolo*
- *Affidabilità dei codici utilizzati*
- *Validazione dei codici*
- *Tipo di analisi svolta*
- *Modalità di presentazione dei risultati*
- *Informazioni generali sull'elaborazione*
- *Giudizio motivato di accettabilità dei risultati*

STAMPA DEI DATI DI INGRESSO

- *Normative prese a riferimento*
- *Criteri adottati per le misure di sicurezza*
- *Criteri seguiti nella schematizzazione della struttura, dei vincoli e delle sconnessioni*
- *Interazione tra terreno e struttura*
- *Legami costitutivi adottati per la modellazione dei materiali e dei terreni*
- *Schematizzazione delle azioni, condizioni e combinazioni di carico*
- *Metodologie numeriche utilizzate per l'analisi strutturale*
- *Metodologie numeriche utilizzate per la progettazione e la verifica degli elementi strutturali*

12 July 2022

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RELAZIONE DI CALCOLO STRUTTURALE

Premessa

La presente relazione di calcolo strutturale, in conformità al §10.1 del DM 17/01/18, è comprensiva di una descrizione generale dell'opera e dei criteri generali di analisi e verifica. Segue inoltre le indicazioni fornite al §10.2 del DM stesso per quanto concerne analisi e verifiche svolte con l'ausilio di codici di calcolo.

Nella presente parte sono riportati i principali elementi di inquadramento del progetto esecutivo riguardante le strutture, in relazione agli strumenti urbanistici, al progetto architettonico, al progetto delle componenti tecnologiche in generale ed alle prestazioni attese dalla struttura.

Descrizione generale dell'opera

Descrizione generale dell'opera	
Fabbricato ad uso	
Ubicazione	Comune di ORISTANO (OR) (Regione SARDEGNA)
	Località ORISTANO (OR)
	Longitudine 8.595, Latitudine 39.903
Numero di piani	Fuori terra
	Interrati
	le dimensioni dell'opera in pianta sono racchiuse in un rettangolo di
Numero vani scale	
Numero vani ascensore	
Tipo di fondazione	

Principali caratteristiche della struttura	
Struttura regolare in pianta	si
Struttura regolare in altezza	si
Classe di duttilità	bassa
Travi: ricalate o in spessore	
Pilastrì	10 pilastrate
Pilastrì in falso	
Tipo di fondazione	Platea su pali
Condizioni per cui è necessario considerare la componente verticale del sisma	

Parametri della struttura			
Classe d'uso	Vita Vn [anni]	Coeff. Uso	Periodo Vr [anni]
II	50.0	1.0	50.0

Fattore di struttura/comportamento
Comportamento non dissipativo

Quadro normativo di riferimento adottato

Le norme ed i documenti assunti quale riferimento per la progettazione strutturale vengono indicati di seguito.

Nel capitolo “normativa di riferimento” è comunque presente l’elenco completo delle normative disponibili.

Progetto-verifica degli elementi	
Progetto cemento armato	D.M. 17-01-2018
Progetto acciaio	D.M. 17-01-2018
Progetto legno	D.M. 17-01-2018
Progetto muratura	D.M. 17-01-2018
Azione sismica	
Norma applicata per l’ azione sismica	D.M. 17-01-2018

Azioni di progetto sulla costruzione

Nei capitoli “modellazione delle azioni” e “schematizzazione dei casi di carico” sono indicate le azioni sulla costruzioni.

Nel prosieguo si indicano tipo di analisi strutturale condotta (statico,dinamico, lineare o non lineare) e il metodo adottato per la risoluzione del problema strutturale nonché le metodologie seguite per la verifica o per il progetto-verifica delle sezioni. Si riportano le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti; le configurazioni studiate per la struttura in esame *sono risultate effettivamente esaustive per la progettazione-verifica*.

La verifica della sicurezza degli elementi strutturali avviene con i metodi della scienza delle costruzioni. L’analisi strutturale è condotta con il metodo degli spostamenti per la valutazione dello stato tensodeformativo indotto da carichi statici. L’analisi strutturale è condotta con il metodo dell’analisi modale e dello spettro di risposta in termini di accelerazione per la valutazione dello stato tensodeformativo indotto da carichi dinamici (tra cui quelli di tipo sismico).

L’analisi strutturale viene effettuata con il metodo degli elementi finiti. Il metodo sopraindicato si basa sulla schematizzazione della struttura in elementi connessi solo in corrispondenza di un numero prefissato di punti denominati nodi. I nodi sono definiti dalle tre coordinate cartesiane in un sistema di riferimento globale. Le incognite del problema (nell’ambito del metodo degli spostamenti) sono le componenti di spostamento dei nodi riferite al sistema di riferimento globale (traslazioni secondo X, Y, Z, rotazioni attorno X, Y, Z). La soluzione del problema si ottiene con un sistema di equazioni algebriche lineari i cui termini noti sono costituiti dai carichi agenti sulla struttura opportunamente concentrati ai nodi:

$$\mathbf{K} \cdot \mathbf{u} = \mathbf{F} \quad \text{dove}$$

$\mathbf{K}$ = matrice di rigidezza

$\mathbf{u}$ = vettore spostamenti nodali

$\mathbf{F}$ = vettore forze nodali

Dagli spostamenti ottenuti con la risoluzione del sistema vengono quindi dedotte le sollecitazioni e/o le tensioni di ogni elemento, riferite generalmente ad una terna locale all'elemento stesso.

Il sistema di riferimento utilizzato è costituito da una terna cartesiana destrorsa XYZ. Si assume l'asse Z verticale ed orientato verso l'alto.

Gli elementi utilizzati per la modellazione dello schema statico della struttura sono i seguenti:

Elemento tipo TRUSS	(biella-D2)
Elemento tipo BEAM	(trave-D2)
Elemento tipo MEMBRANE	(membrana-D3)
Elemento tipo PLATE	(piastra-guscio-D3)
Elemento tipo BOUNDARY	(molla)
Elemento tipo STIFFNESS	(matrice di rigidezza)
Elemento tipo BRICK	(elemento solido)
Elemento tipo SOLAIO	(macro elemento composto da più membrane)

Modello numerico

In questa parte viene descritto il modello numerico utilizzato (o i modelli numerici utilizzati) per l'analisi della struttura. La presentazione delle informazioni deve essere, coerentemente con le prescrizioni del paragrafo 10.2 e relativi sottoparagrafi delle NTC-18, tale da garantirne la leggibilità, la corretta interpretazione e la riproducibilità

Tipo di analisi strutturale	
Carichi verticali	SI
Sismica statica lineare	SI
Sismica dinamica lineare	NO
Sismica statica non lineare (prop. masse)	NO
Sismica statica non lineare (prop. modo)	NO
Sismica statica non lineare (triangolare)	NO
Non linearità geometriche (fattore P delta)	NO

Di seguito si indicano l'origine e le caratteristiche dei codici di calcolo utilizzati riportando titolo, produttore e distributore, versione, estremi della licenza d'uso:

Informazioni sul codice di calcolo	
Titolo:	PRO_SAP PROfessional Structural Analysis Program
Versione:	e-TIME (build 2020-09-190)
Produttore-Distributore:	2S.I. Software e Servizi per l'Ingegneria s.r.l., Ferrara

Codice Licenza:	

Un attento esame preliminare della documentazione a corredo del software **ha consentito di valutarne l'affidabilità e soprattutto l'idoneità al caso specifico**. La documentazione, fornita dal produttore e distributore del software, contiene una esauriente descrizione delle basi teoriche e degli algoritmi impiegati, l'individuazione dei campi d'impiego, nonché casi prova interamente risolti e commentati, corredati dei file di input necessari a riprodurre l'elaborazione:

Affidabilità dei codici utilizzati
2S.I. ha verificato l'affidabilità e la robustezza del codice di calcolo attraverso un numero significativo di casi prova in cui i risultati dell'analisi numerica sono stati confrontati con soluzioni teoriche.
E' possibile reperire la documentazione contenente alcuni dei più significativi casi trattati al seguente link: https://www.2si.it/it/prodotti/affidabilita/

Modellazione della geometria e proprietà meccaniche:	
nodi	411
elementi D2 (per aste, travi, pilastri...)	38
elementi D3 (per pareti, platee, gusci...)	372
elementi solaio	3
elementi solidi	0
Dimensione del modello strutturale [cm]:	
X min =	0.00
Xmax =	840.00
Ymin =	-20.00
Ymax =	800.00
Zmin =	-450.00
Zmax =	500.00
Strutture verticali:	
Elementi di tipo asta	NO
Pilastri	SI
Pareti	SI
Setti (a comportamento membranale)	NO
Strutture non verticali:	
Elementi di tipo asta	NO
Travi	SI
Gusci	SI

Membrane	NO
Orizzontamenti:	
Solai con la proprietà piano rigido	SI
Solai senza la proprietà piano rigido	NO
Tipo di vincoli:	
Nodi vincolati rigidamente	NO
Nodi vincolati elasticamente	NO
Nodi con isolatori sismici	NO
Fondazioni puntuali (plinti/plinti su palo)	SI
Fondazioni di tipo trave	NO
Fondazioni di tipo platea	NO
Fondazioni con elementi solidi	NO

Modellazione delle azioni

Si veda il capitolo **“Schematizzazione dei casi di carico”** per le informazioni necessarie alla comprensione ed alla ricostruzione delle azioni applicate al modello numerico, coerentemente con quanto indicato nella parte **“2.6. Azioni di progetto sulla costruzione”**.

Combinazioni e/o percorsi di carico

Si veda il capitolo **“Definizione delle combinazioni”** in cui sono indicate le combinazioni di carico adottate e, nel caso di calcoli non lineari, i percorsi di carico seguiti.

Combinazioni dei casi di carico	
APPROCCIO PROGETTUALE	Approccio 2
Tensioni ammissibili	NO
SLU	SI
SLV (SLU con sisma)	SI
SLC	NO
SLD	SI
SLO	NO
SLU GEO A2 (per approccio 1)	NO
SLU EQU	NO
Combinazione caratteristica (rara)	SI
Combinazione frequente	NO
Combinazione quasi permanente (SLE)	SI
SLA (accidentale quale incendio)	NO

Principali risultati

I risultati devono costituire una sintesi completa ed efficace, presentata in modo da riassumere il comportamento della struttura, per ogni tipo di analisi svolta.

Nella presente relazione di calcolo sono riportati i seguenti risultati che il progettista ritiene di interesse per la descrizione e la comprensione del/i modello/i e del comportamento della struttura:

per l'analisi modale:

- periodi dei modi di vibrare della struttura
- masse eccitate dai singoli modi
- massa eccitata totale

deformate e sollecitazioni:

- spostamenti e rotazioni dei singoli nodi della struttura
- reazioni vincolari (nel caso siano presenti nodi vincolati rigidamente)
- pressioni sul terreno (nel caso siano presenti elementi di fondazione)
- sollecitazioni sugli elementi d2 nelle combinazioni di calcolo più significative
- tensioni sugli elementi d3 nelle combinazioni di calcolo più significative
- sollecitazioni sui macroelementi da elementi d3 nelle combinazioni di calcolo più significative

La presente relazione, oltre ad illustrare in modo esaustivo i dati in ingresso ed i risultati delle analisi in forma tabellare, riporta una serie di immagini:

per i dati in ingresso:

- modello solido della struttura
- numerazione di nodi e ed elementi
- configurazioni di carico statiche
- configurazioni di carico sismiche con baricentri delle masse e eccentricità

per le combinazioni più significative (statisticamente più gravose per la struttura):

- configurazioni deformate
- diagrammi e involuipi delle azioni interne
- mappe delle tensioni
- reazioni vincolari
- mappe delle pressioni sul terreno

per il progetto-verifica degli elementi:

- diagrammi di armatura
- percentuali di sfruttamento
- mappe delle verifiche più significative per i vari stati limite

Informazioni generali sull'elaborazione e giudizio motivato di accettabilità dei risultati.

Il programma prevede una serie di controlli automatici (check) che consentono l'individuazione di errori di modellazione. Al termine dell'analisi un controllo automatico identifica la presenza di spostamenti o rotazioni abnormi. Si può pertanto asserire che l'elaborazione sia corretta e completa. I

risultati delle elaborazioni sono stati sottoposti a controlli che ne comprovano l'attendibilità. Tale valutazione ha compreso il confronto con i risultati di semplici calcoli, eseguiti con metodi tradizionali e adottati, anche in fase di primo proporzionamento della struttura. Inoltre, sulla base di considerazioni riguardanti gli stati tensionali e deformativi determinati, si è valutata la validità delle scelte operate in sede di schematizzazione e di modellazione della struttura e delle azioni. Si allega al termine della presente relazione elenco sintetico dei controlli svolti (verifiche di equilibrio tra reazioni vincolari e carichi applicati, comparazioni tra i risultati delle analisi e quelli di valutazioni semplificate, etc.) .

Verifiche agli stati limite ultimi

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLU vengono indicate, con riferimento alla normativa adottata, le modalità ed i criteri seguiti per valutare la sicurezza della struttura nei confronti delle possibili situazioni di crisi ed i risultati delle valutazioni svolte. In via generale, oltre alle verifiche di resistenza e di spostamento, devono essere prese in considerazione verifiche nei confronti dei fenomeni di instabilità, locale e globale, di fatica, di duttilità, di degrado.

Verifiche agli stati limite di esercizio

Nel capitolo relativo alla progettazione degli elementi strutturali agli SLE vengono indicate, con riferimento alla normativa adottata, le modalità seguite per valutare l'affidabilità della struttura nei confronti delle possibili situazioni di perdita di funzionalità (per eccessive deformazioni, fessurazioni, vibrazioni, etc.) ed i risultati delle valutazioni svolte.

RELAZIONE SUI MATERIALI

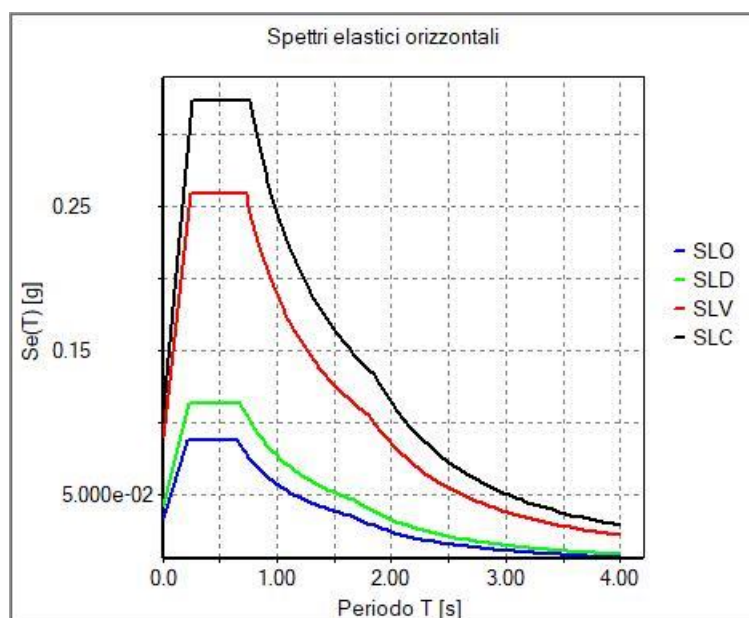
Il capitolo Materiali riporta informazioni esaustive relative all'elenco dei materiali impiegati e loro modalità di posa in opera e ai valori di calcolo.

NORMATIVA DI RIFERIMENTO

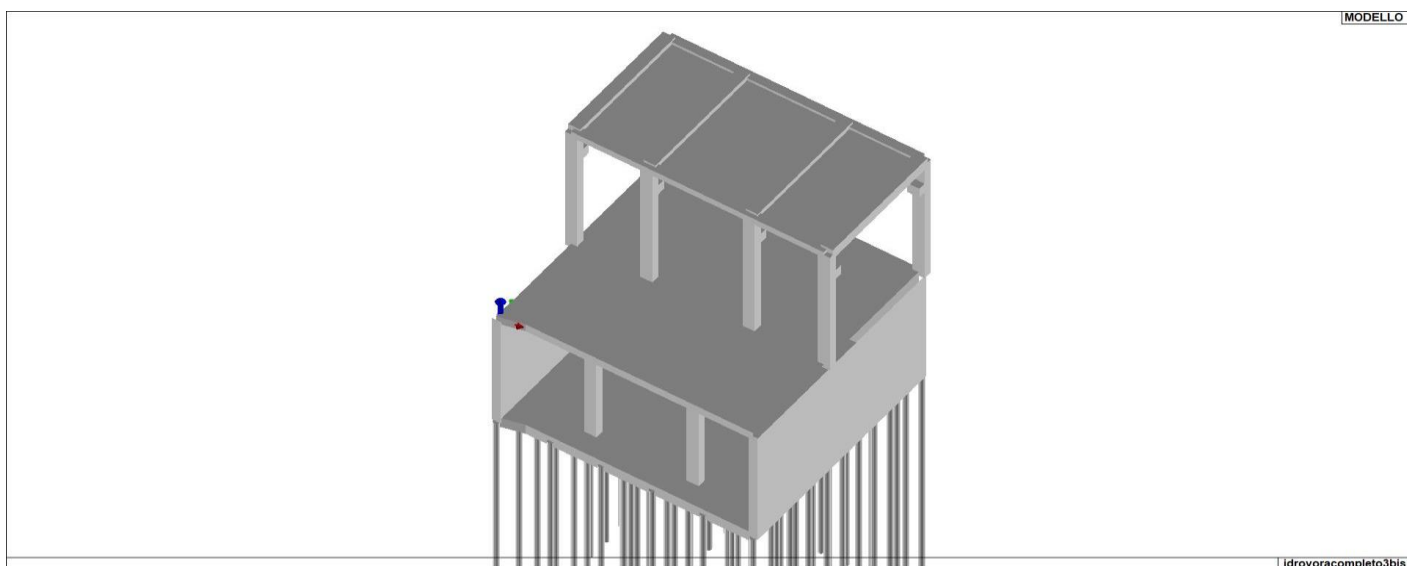
1. D.Min. Infrastrutture Min. Interni e Prot. Civile 17 Gennaio 2018 e allegate "Norme tecniche per le costruzioni".
2. Circolare 21/01/19, n. 7 C.S.LL.PP. "Istruzioni per l'applicazione dell'aggiornamento delle Norme Tecniche delle Costruzioni di cui al decreto ministeriale 17 gennaio 2018"
3. D.Min. Infrastrutture e trasporti 14 Settembre 2005 e allegate "Norme tecniche per le costruzioni".
4. D.M. LL.PP. 9 Gennaio 1996 "Norme tecniche per il calcolo, l'esecuzione ed il collaudo delle strutture in cemento armato, normale e precompresso e per le strutture metalliche".
5. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>".
6. D.M. LL.PP. 16 Gennaio 1996 "Norme tecniche per le costruzioni in zone sismiche".
7. Circolare 4/07/96, n.156AA.GG./STC. istruzioni per l'applicazione delle "Norme tecniche relative ai <<Criteri generali per la verifica di sicurezza delle costruzioni e dei carichi e sovraccarichi>>" di cui al D.M. 16/01/96.
8. Circolare 10/04/97, n.65AA.GG. istruzioni per l'applicazione delle "Norme tecniche per le costruzioni in zone sismiche" di cui al D.M. 16/01/96.
9. D.M. LL.PP. 20 Novembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
10. Circolare 4 Gennaio 1989 n. 30787 "Istruzioni in merito alle norme tecniche per la progettazione, esecuzione e collaudo degli edifici in muratura e per il loro consolidamento".
11. D.M. LL.PP. 11 Marzo 1988 "Norme tecniche riguardanti le indagini sui terreni e sulle rocce, la stabilità dei pendii naturali e delle scarpate, i criteri generali e le prescrizioni per la progettazione, l'esecuzione e il collaudo delle opere di sostegno delle terre e delle opere di fondazione".
12. D.M. LL.PP. 3 Dicembre 1987 "Norme tecniche per la progettazione, esecuzione e collaudo delle costruzioni prefabbricate".
13. UNI 9502 - Procedimento analitico per valutare la resistenza al fuoco degli elementi costruttivi di conglomerato cementizio armato, normale e precompresso - edizione maggio 2001
14. Ordinanza del Presidente del Consiglio dei Ministri n. 3274 del 20 marzo 2003 "Primi elementi in materia di criteri generali per la classificazione sismica del territorio nazionale e di normative tecniche per le costruzioni in zona sismica" e successive modificazioni e integrazioni.
15. UNI EN 1990:2006 13/04/2006 Eurocodice 0 - Criteri generali di progettazione strutturale.
16. UNI EN 1991-1-1:2004 01/08/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-1: Azioni in generale - Pesi per unità di volume, pesi propri e sovraccarichi per gli edifici.
17. UNI EN 1991-2:2005 01/03/2005 Eurocodice 1 - Azioni sulle strutture - Parte 2: Carichi da traffico sui ponti.
18. UNI EN 1991-1-3:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-3: Azioni in generale - Carichi da neve.
19. UNI EN 1991-1-4:2005 01/07/2005 Eurocodice 1 - Azioni sulle strutture - Parte 1-4: Azioni in generale - Azioni del vento.
20. UNI EN 1991-1-5:2004 01/10/2004 Eurocodice 1 - Azioni sulle strutture - Parte 1-5: Azioni in generale - Azioni termiche.
21. UNI EN 1992-1-1:2005 24/11/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
22. UNI EN 1992-1-2:2005 01/04/2005 Eurocodice 2 - Progettazione delle strutture di calcestruzzo - Parte 1-2: Regole generali - Progettazione strutturale contro l'incendio.
23. UNI EN 1993-1-1:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-1: Regole generali e regole per gli edifici.
24. UNI EN 1993-1-8:2005 01/08/2005 Eurocodice 3 - Progettazione delle strutture di acciaio - Parte 1-8: Progettazione dei collegamenti.
25. UNI EN 1994-1-1:2005 01/03/2005 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 1-1: Regole generali e regole per gli edifici.
26. UNI EN 1994-2:2006 12/01/2006 Eurocodice 4 - Progettazione delle strutture composte acciaio-calcestruzzo - Parte 2: Regole generali e regole per i ponti.
27. UNI EN 1995-1-1:2005 01/02/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 1-1: Regole generali - Regole comuni e regole per gli edifici.
28. UNI EN 1995-2:2005 01/01/2005 Eurocodice 5 - Progettazione delle strutture di legno - Parte 2: Ponti.
29. UNI EN 1996-1-1:2006 26/01/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 1-1: Regole generali per strutture di muratura armata e non armata.
30. UNI EN 1996-3:2006 09/03/2006 Eurocodice 6 - Progettazione delle strutture di muratura - Parte 3: Metodi di calcolo semplificato per strutture di muratura non armata.

31. UNI EN 1997-1:2005 01/02/2005 Eurocodice 7 - Progettazione geotecnica - Parte 1: Regole generali.
32. UNI EN 1998-1:2005 01/03/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 1: Regole generali, azioni sismiche e regole per gli edifici.
33. UNI EN 1998-3:2005 01/08/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 3: Valutazione e adeguamento degli edifici.
34. UNI EN 1998-5:2005 01/01/2005 Eurocodice 8 - Progettazione delle strutture per la resistenza sismica - Parte 5: Fondazioni, strutture di contenimento ed aspetti geotecnici.

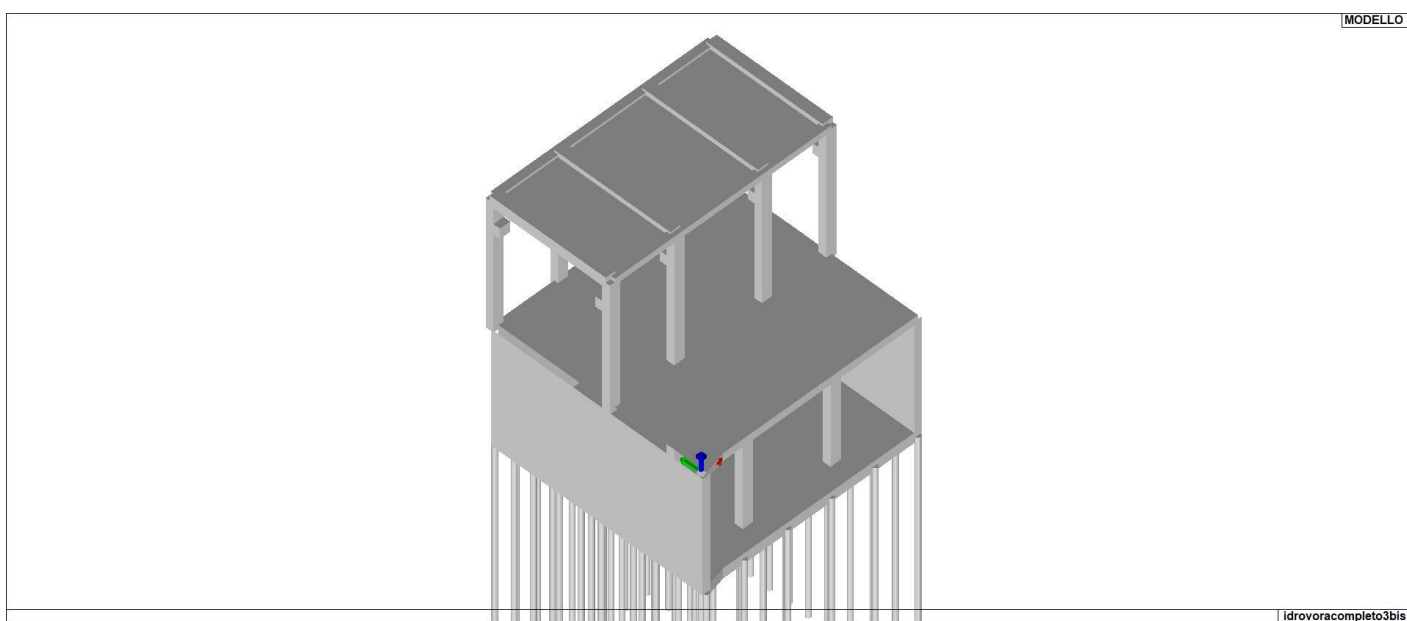
NOTA il capitolo "normativa di riferimento": riporta l'elenco delle normative implementate nel software. Le norme utilizzate per la struttura oggetto della presente relazione sono indicate nel precedente capitolo "RELAZIONE DI CALCOLO STRUTTURALE" "ANALISI E VERIFICHE SVOLTE CON L'AUSILIO DI CODICI DI CALCOLO". Laddove nei capitoli successivi vengano richiamate norme antecedenti al DM 17.01.18 è dovuto o a progettazione simulata di edificio esistente.



01_INT_SPETTRI_ELASTICI_O



01_INT_VISTA_SOLIDA_001



01_INT_VISTA_SOLIDA_002

CARATTERISTICHE MATERIALI UTILIZZATI

LEGENDA TABELLA DATI MATERIALI

Il programma consente l'uso di materiali diversi. Sono previsti i seguenti tipi di materiale:

1	materiale tipo cemento armato
2	materiale tipo acciaio
3	materiale tipo muratura
4	materiale tipo legno
5	materiale tipo generico

I materiali utilizzati nella modellazione sono individuati da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni materiale vengono riportati in tabella i seguenti dati:

Young	modulo di elasticità normale E
Poisson	coefficiente di contrazione trasversale ν
G	modulo di elasticità tangenziale
Gamma	peso specifico
Alfa	coefficiente di dilatazione termica
Fattore di confidenza FC m	Fattore di confidenza specifico per materiale; (è riportato solo se diverso da quello globale della struttura)
Fattore di confidenza FC a	Fattore di confidenza specifico per l'armatura (è riportato solo se diverso da quello globale della struttura)
Elasto-plastico	Materiale elastico perfettamente plastico per aste non lineari
Massima compressione	Massima tensione di compressione per aste non lineari
Massima trazione	Massima tensione di trazione per aste non lineari
Fattore attrito	Coefficiente di attrito per aste non lineari
Rapporto HRDb	Rapporto di hardening a flessione
Rapporto HRDv	Rapporto di hardening a taglio

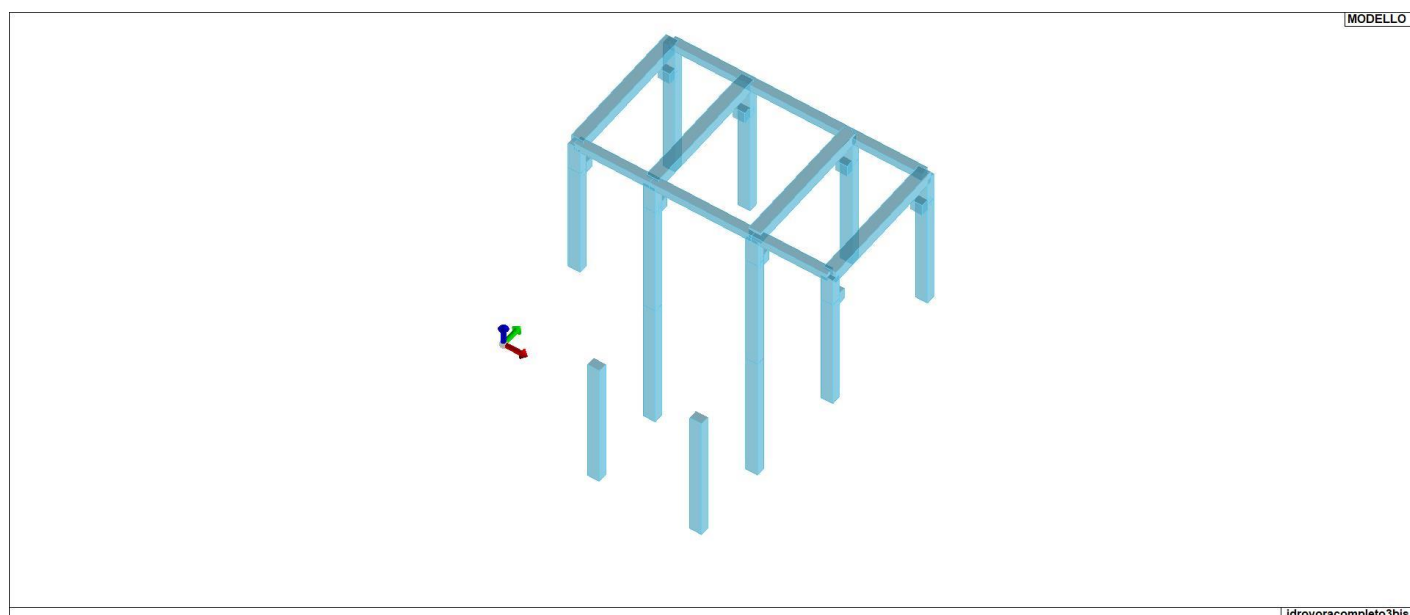
I dati soprariportati vengono utilizzati per la modellazione dello schema statico e per la determinazione dei carichi inerziali e termici. In relazione al tipo di materiale vengono riportati inoltre:

1	c.a.	Resistenza Rc Resistenza fctm Coefficiente ksb	resistenza a compressione cubica resistenza media a trazione semplice Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
2	acciaio	Tensione ft Tensione fy Resistenza fd Resistenza fd (>40) Tensione ammissibile Tensione ammissibile(>40)	Valore della tensione di rottura Valore della tensione di snervamento Resistenza di calcolo per SL CNR-UNI 10011 Resistenza di calcolo per SL CNR-UNI 10011 per spessori > 40mm Tensione ammissibile CNR-UNI 10011 Tensione ammissibile CNR-UNI 10011 per spessori > 40mm
3	muratura	Muratura consolidata Incremento resistenza Incremento rigidezza Resistenza f Resistenza fv0 Resistenza fh Resistenza fb Resistenza fbh Resistenza fv0h Resistenza ft Resistenza fvim Resistenza fbt Coefficiente mu Coefficiente fi Coefficiente ksb	Muratura per la quale si prevedono interventi di rinforzo" Incremento conseguito in termini di resistenza Incremento conseguito in termini di rigidezza Valore della resistenza a compressione Valore della resistenza a taglio in assenza di tensioni normali Valore della resistenza a compressione orizzontale Valore della resistenza a compressione dei blocchi Valore della resistenza a compressione dei blocchi in direzione orizzontale Valore della resistenza a taglio in assenza di tensioni normali per le travi Valore della resistenza a trazione per fessurazione diagonale Valore della massima resistenza a taglio Valore della resistenza a trazione dei blocchi Coefficiente d'attrito utilizzato per la resistenza a taglio (tipicamente 0.4) Coefficiente d'ingranamento utilizzato per la resistenza a taglio Coefficiente di riduzione della resistenza a compressione da utilizzare nello stress block
4	legno	E0,05 Resistenza fc0 Resistenza ft0 Resistenza fm Resistenza fv Resist. ft0k Resist. fmk Resist. fvk Modulo E0,05 Lamellare	Modulo di elasticità corrispondente ad un frattile del 5% Valore della resistenza a compressione parallela Valore della resistenza a trazione parallela Valore della resistenza a flessione Valore della resistenza a taglio Resistenza caratteristica (tensione amm. per REGLES) per trazione Resistenza caratteristica (tensione amm. per REGLES) per flessione Resistenza caratteristica (tensione amm. per REGLES) per taglio Modulo elastico parallelo caratteristico lamellare o massiccio

Nel tabulato si riportano sia i valori caratteristici che medi utilizzando gli uni e/o gli altri in relazione alle richieste di normativa ed alla tipologia di verifica. (Cap.7 NTC18 per materiali nuovi, Cap.8 NTC18 e relativa circolare 21/01/2019 per materiali esistenti, Linee Guida Reluis per incamiciatura CAM, CNR-DT 200 per interventi con FRP)

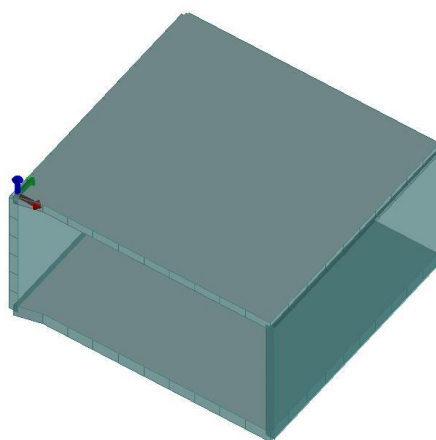
Vengono inoltre riportate le tabelle contenenti il riassunto delle informazioni assegnate nei criteri di progetto in uso.

Id	Tipo / Note	V. caratt. daN/cm ²	V. medio daN/cm ²	Young daN/cm ²	Poisson	G daN/cm ²	Gamma daN/cm ³	Alfa	Altri
3	Calcestruzzo Classe C28/35			3.260e+05	0.20	1.358e+05	2.50e-03	1.00e-05	
	Resistenza Rc	350.0							
	Resistenza fctm		28.4						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05
5	Calcestruzzo Classe C32/40			3.360e+05	0.20	1.400e+05	2.50e-03	1.00e-05	
	Resistenza Rc	400.0							
	Resistenza fctm		31.0						
	Rapporto Rfessurata								1.00
	Coefficiente ksb								0.85
	Rapporto HRDb								1.00e-05
	Rapporto HRDv								1.00e-05



11_MOD_MATERIALI_D2

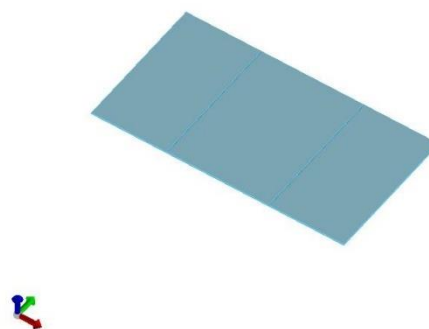
MODELLO



idrovoracompleto3bis

11_MOD_MATERIALI_D3

MODELLO



idrovoracompleto3bis

11_MOD_MATERIALI_SOLAI

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Singolo elemento NON DISSIPATIVO					
Armatura						
Inclinazione Av [gradi]	90.00					
Angolo Av-Ao [gradi]	90.00					
Minima tesa	0.25					
Massima tesa	4.00					
Maglia unica centrale	NO					
Unico strato verticale	NO					
Unico strato orizzontale	NO					
Copriferro [cm]	2.00					
Maglia V						
diametro	16					
passo	20					

Pareti c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
diametro aggiuntivi	16					
Maglia O						
diametro	12					
passo	20					
diametro aggiuntivi	12					
Stati limite ultimi						
Tensione fy [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Tensioni ammissibili						
Tensione amm. cls [daN/cm ²]	97.50					
Tensione amm. acciaio [daN/cm ²]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Parete estesa debolmente armata						
Fattore amplificazione taglio V	0.0					
Hcrit. par. 7.4.4.5.1 [cm]	0.0					
Hcrit. par. 7.4.6.1.4 [cm]	0.0					
Diagramma involuppo taglio	NO					
Vincolo lati	nessun lato					
Verifica come fascia	NO					
Diametro di estremità	0					
Zona confinata						
Minima tesa	1.00					
Massima tesa	4.00					
Distanza barre [cm]	2.00					
Interferro	2					
Armatura inclinata						
Area barre [cm ²]	0.0					
Angolo orizzontale [gradi]	0.0					
Distanza di base [cm]	0.0					
Resistenza al fuoco						
3- intradosso	NO					
3+ estradosso	NO					
Tempo di esposizione R	15					

Gusci c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Armatura						
Inclinazione Ax [gradi]	0.0					
Angolo Ax-Ay [gradi]	90.00					
Minima tesa	0.31					
Massima tesa	0.78					
Maglia unica centrale	NO					
Copriferro [cm]	2.00					
Maglia x						
diametro	16					
passo	20					
diametro aggiuntivi	16					
Maglia y						
diametro	16					
passo	20					
diametro aggiuntivi	16					
Stati limite ultimi						
Tensione fy [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Applica SLU da DIN	NO					
Tensioni ammissibili						
Tensione amm. cls [daN/cm ²]	97.50					
Tensione amm. acciaio [daN/cm ²]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Resistenza al fuoco						
3- intradosso	NO					
3+ estradosso	NO					
Tempo di esposizione R	15					

Travi c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetta a filo	NO					
Af inf: da $q \cdot L \cdot L /$	0.0					
Armatura						
Minima tesa	0.10					
Minima compressa	0.10					
Massima tesa	4.00					
Da sezione	SI					
Usa armatura teorica	NO					
Stati limite ultimi						
Tensione f_y [daN/cm ²]	4500.00					
Tensione f_y staffe [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Fattore di ridistribuzione	0.0					
Modello per il confinamento						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					
epsilon c2	0.0					
epsilon cy	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm ²]	97.50					
Tensione amm. acciaio [daN/cm ²]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Staffe						
Diametro staffe	0.0					
Passo minimo [cm]	4.00					
Passo massimo [cm]	30.00					
Passo raffittito [cm]	15.00					
Lunghezza zona raffittita [cm]	50.00					
Ctg(Teta) Max	2.50					
Percentuale sagomati	0.0					
Luce di taglio per GR [cm]	1.00					
Adotta scorrimento medio	NO					
Torsione non essenziale inclusa	SI					

Pilastrì c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Progetto armatura	Privilegia lati					
Progetta a filo	NO					
Effetti del 2 ordine	NO					
Beta per 2-2	1.00					
Beta per 3-3	1.00					
Armatura						
Massima tesa	4.00					
Minima tesa	1.00					
Stati limite ultimi						
Tensione f_y [daN/cm ²]	4500.00					
Tensione f_y staffe [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Verifiche con N costante	SI					
Modello per il confinamento						
Relazione tensio-deformativa	Mander					
Incrudimento acciaio	5.000e-03					
Fattore lambda	1.00					
epsilon max,s	4.000e-02					
epsilon cu2	4.500e-03					

Pilastri c.a.	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
epsilon c2	0.0					
epsilon cy	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm ²]	97.50					
Tensione amm. acciaio [daN/cm ²]	2600.00					
Rapporto omogeneizzazione N	15.00					
Staffe						
Diametro staffe	0.0					
Passo minimo [cm]	5.00					
Passo massimo [cm]	25.00					
Passo raffittito [cm]	15.00					
Lunghezza zona raffittita [cm]	45.00					
Ctg(Teta) Max	2.50					
Luce di taglio per GR [cm]	1.00					
Massimizza gerarchia	NO					

Solai e pannelli	1/7/..	2/8/..	3/9/..	4/10/..	5/11/..	6/12/..
Generalità						
Usa tensioni ammissibili	NO					
Af inf: da traliccio	SI					
Consenti armatura a taglio	NO					
Incrementa armatura longitudinale per taglio	SI					
Af inf: da q*L*L /	20.00					
Incremento fascia piena [cm]	5.00					
Armatura						
Minima tesa	0.15					
Massima tesa	3.00					
Minima compressa	0.0					
Af/h [cm]	7.000e-02					
Stati limite ultimi						
Tensione fy [daN/cm ²]	4500.00					
Tipo acciaio	tipo C					
Coefficiente gamma s	1.15					
Coefficiente gamma c	1.50					
Fattore di ridistribuzione	0.0					
Tensioni ammissibili						
Tensione amm. cls [daN/cm ²]	85.00					
Tensione amm. acciaio [daN/cm ²]	2600.00					
Rapporto omogeneizzazione N	15.00					
Massimo rapporto area compressa/tesa	1.00					
Verifica freccia						
Infinita	250.00					
Istantanea	500.00					
Fattore viscosità	3.00					
Usa J non fessurato	NO					
Elementi non strutturali						
Tamponatura antiespulsione	NO					
Tamponatura con armatura	NO					
Fattore di struttura/comportamento	2.00					
Coefficiente gamma m	0.0					
Periodo Ta	0.0					
Altezza pannello	0.0					

MODELLAZIONE DELLE SEZIONI

LEGENDA TABELLA DATI SEZIONI

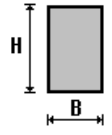
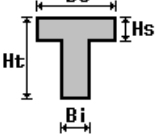
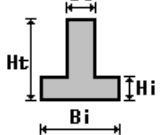
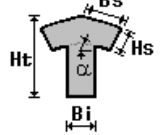
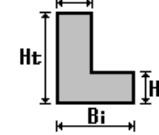
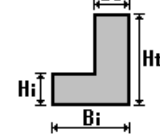
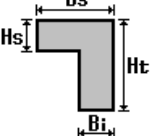
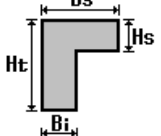
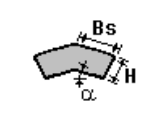
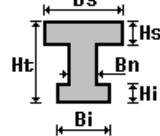
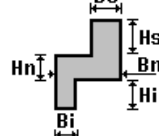
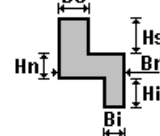
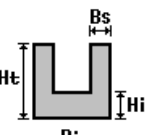
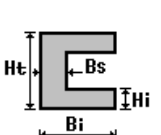
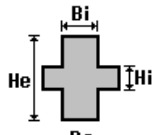
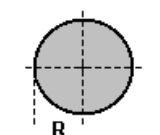
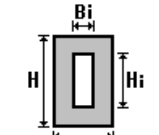
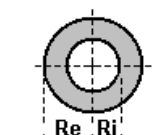
Il programma consente l'uso di sezioni diverse. Sono previsti i seguenti tipi di sezione:

1. sezione di tipo generico
2. profilati semplici
3. profilati accoppiati e speciali

Le sezioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni sezione vengono riportati in tabella i seguenti dati:

Area	area della sezione
A V2	area della sezione/fattore di taglio (per il taglio in direzione 2)
A V3	area della sezione/fattore di taglio (per il taglio in direzione 3)
Jt	fattore torsionale di rigidezza
J2-2	momento d'inerzia della sezione riferito all'asse 2
J3-3	momento d'inerzia della sezione riferito all'asse 3
W2-2	modulo di resistenza della sezione riferito all'asse 2
W3-3	modulo di resistenza della sezione riferito all'asse 3
Wp2-2	modulo di resistenza plastico della sezione riferito all'asse 2
Wp3-3	modulo di resistenza plastico della sezione riferito all'asse 3

I dati sopra riportati vengono utilizzati per la determinazione dei carichi inerziali e per la definizione delle rigidezze degli elementi strutturali; qualora il valore di Area V2 (e/o Area V3) sia nullo la deformabilità per taglio V2 (e/o V3) è trascurata. La valutazione delle caratteristiche inerziali delle sezioni è condotta nel riferimento 2-3 dell'elemento.

 rettangolare	 a T	 a T rovescia	 a T di colmo	 a L	 a L specchiata
 a L specchiata rovescia	 a L rovescia	 a L di colmo	 a doppio T	 a quattro specchiata	 a quattro
 a U	 a C	 a croce	 circolare	 rettangolare cava	 circolare cava

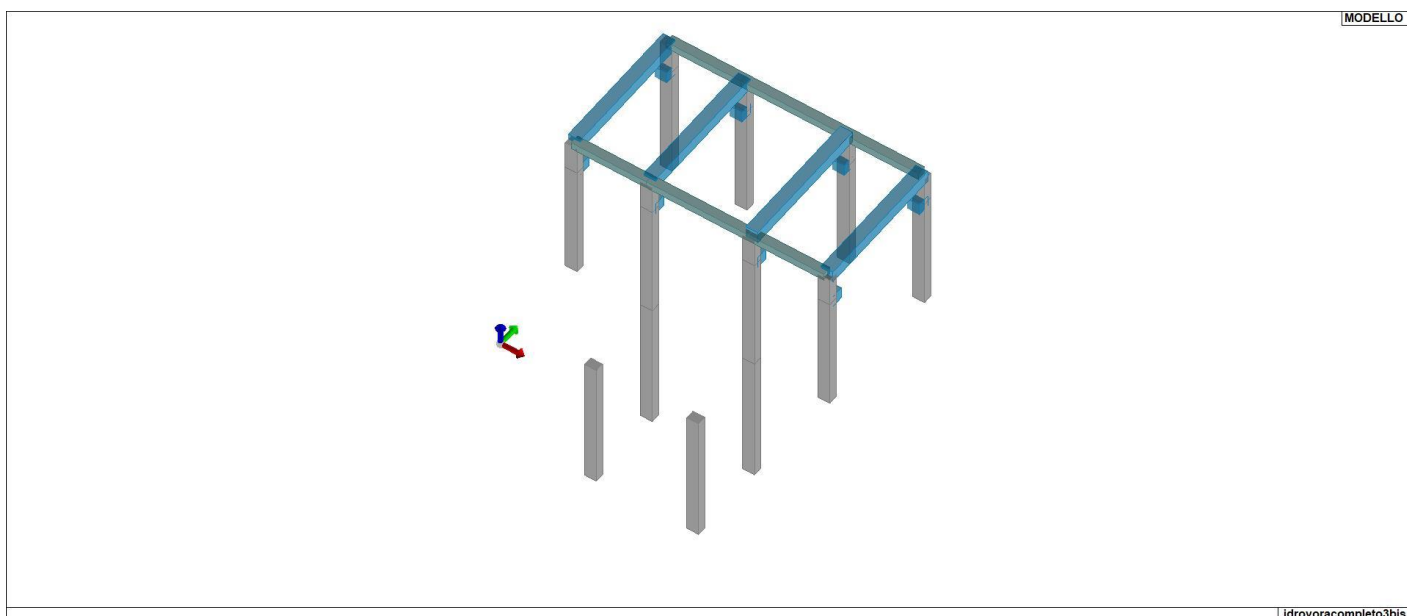
Per quanto concerne i profilati semplici ed accoppiati l'asse 2 del riferimento coincide con l'asse x riportato nei più diffusi profilati.

Per quanto concerne le sezioni di tipo generico (tipo 1.):

i valori dimensionali con prefisso B sono riferiti all'asse 2

i valori dimensionali con prefisso H sono riferiti all'asse 3

Id	Tipo	Area	A V2	A V3	Jt	J 2-2	J 3-3	W 2-2	W 3-3	Wp 2-2	Wp 3-3
		cm2	cm2	cm2	cm4	cm4	cm4	cm3	cm3	cm3	cm3
1	Rettangolare: b=30 h=40	1200.00	1000.00	1000.00	1.946e+05	9.000e+04	1.600e+05	6000.00	8000.00	9000.00	1.200e+04
2	Rettangolare: b=40 h=40	1600.00	1333.33	1333.33	3.599e+05	2.133e+05	2.133e+05	1.067e+04	1.067e+04	1.600e+04	1.600e+04
3	Rettangolare: b=30 h=24	720.00	600.00	600.00	7.126e+04	5.400e+04	3.456e+04	3600.00	2880.00	5400.00	4320.00
13	T ribassata: bi=12.00 ht=24.00 bs=50.00 hs=4.00	440.00	0.0	0.0	1.048e+04	4.455e+04	2.398e+04	1781.87	1551.37	2138.24	1861.65



13_MOD_SEZIONI

MODELLAZIONE DELLA STRUTTURA: ELEMENTI SOLAIO-PANNELLO

LEGENDA TABELLA DATI SOLAI-PANNELLI

Il programma utilizza per la modellazione elementi a tre o più nodi denominati in generale solaio o pannello.

Ogni elemento solaio-pannello è individuato da una poligonale di nodi 1,2, ..., N.

L'elemento solaio è utilizzato in primo luogo per la modellazione dei carichi agenti sugli elementi strutturali. In secondo luogo può essere utilizzato per la corretta ripartizione delle forze orizzontali agenti nel proprio piano.

L'elemento balcone è derivato dall'elemento solaio.

I carichi agenti sugli elementi solaio, raccolti in un archivio, sono direttamente assegnati agli elementi utilizzando le informazioni raccolte nell' archivio (es. i coefficienti combinatori). La tabella seguente riporta i dati utilizzati per la definizione dei carichi e delle masse.

L'elemento pannello è utilizzato solo per l'applicazione dei carichi, quali pesi delle tamponature o spinte dovute al vento o terre. In questo caso i carichi sono applicati in analogia agli altri elementi strutturali (si veda il cap. SCHEMATIZZAZIONE DEI CASI DI CARICO).

Id.Arch.	Identificativo dell' archivio
Tipo	Tipo di carico Variab. Carico variabile generico Var. rid. Carico variabile generico con riduzione in funzione dell' area (c.5.5. ...) Neve Carico di neve
G1k	carico permanente (comprensivo del peso proprio)
G2k	carico permanente non strutturale e non compiutamente definito
Qk	carico variabile
Fatt. A	fattore di riduzione del carico variabile (0.5 o 0.75) per tipo "Var.rid."
S sis.	fattore di riduzione del carico variabile per la definizione delle masse sismiche per D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento")
Psi 0	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore raro
Psi 1	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore frequente
Psi 2	Coefficiente combinatorio dei valori caratteristici delle azioni variabili: per valore quasi permanente
Psi S 2	Coefficiente di combinazione che fornisce il valore quasi-permanente dell'azione variabile: per la definizione delle masse sismiche
Fatt. Fi	Coefficiente di correlazione dei carichi per edifici

Ogni elemento è caratterizzato da un insieme di proprietà riportate in tabella che ne completano la modellazione. In particolare per ogni elemento viene indicato in tabella:

Elem	numero dell'elemento
Tipo	codice di comportamento S elemento utilizzato solo per scarico C elemento utilizzato per scarico e per modellazione piano rigido P elemento utilizzato come pannello M scarico monodirezionale B scarico bidirezionale
Id.Arch.	Identificativo dell' archivio
Mat	codice del materiale assegnato all'elemento
Spessore	spessore dell'elemento (costante)
Orditura	angolo (rispetto all'asse X) della direzione dei travetti principali

Gk	carico permanente solaio (comprensivo del peso proprio)
Qk	carico variabile solaio
Nodi	numero dei nodi che definiscono l'elemento (5 per riga)

Nel caso in cui si sia proceduto alla progettazione dei solai con le tensioni ammissibili vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale); nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite vengono riportati il rapporto x/d e le verifiche per sollecitazioni proporzionali nonché le verifiche in esercizio.

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	numero identificativo dell'elemento
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m);
Pos.	Ascissa del punto di verifica
F ist, F infi	Frecce istantanee e a tempo infinito
Momento	Momento flettente
Taglio	Sollecitazione di taglio
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup.	Area di armatura longitudinale posta all'estradosso della trave
AfV	Area dell'armatura atta ad assorbire le azioni di taglio
Beff	Base della sezione di cls per l'assorbimento del taglio
simboli utilizzati con il metodo delle tensioni ammissibili:	
sc max	Massima tensione di compressione del calcestruzzo
sf max	Massima tensione nell'acciaio
tau max	Massima tensione tangenziale nel cls
simboli utilizzati con il metodo degli stati limite:	
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
verif.	rapporto S_d/S_u con sollecitazioni ultime proporzionali: valore minore o uguale a 1 per verifica positiva
Verif.V	rapporto S_d/S_u con sollecitazioni taglianti proporzionali valore minore o uguale a 1 per verifica positiva
rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rFfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni frequenti [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni frequenti [normalizzato a 1]
rFyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]

Nel caso in cui si sia proceduto alla verifica delle tamponature secondo il D.M. 17.01.2018 - §7.2.3 viene riportata una tabella riassuntiva delle verifiche degli elementi pannello. La verifica confronta i momenti sollecitanti indotti dal sisma con i momenti resistenti, secondo tre ipotesi, due basate sulla resistenza a pressoflessione della tamponatura ed una basata sul cinematismo a seguito della formazione di tre cerniere plastiche sulla tamponatura (rif. Ufficio di

Vigilanza sulle Costruzioni, Provincia di Terni).

Qualora la tamponatura sia di tipo antiespulsione (nelle due possibili varianti ordinaria o armata) viene condotta una verifica con meccanismo ad arco con degrado di resistenza. La verifica confronta le pressioni sollecitanti indotte dal sisma con le pressioni resistenti che la tamponatura sviluppa attraverso il meccanismo ad arco. La verifica considera anche il degrado di resistenza dovuto al danneggiamento nel piano della tamponatura.

Per quest'ultima tamponatura sono disponibili, in funzione del materiale impiegato (materiale [52] o materiale [53]):

- **Tamponatura Antiespulsione ordinaria Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
Utilizzabile per il materiale [52].
- **Tamponatura Antiespulsione armata Poroton® Cis Edil** sp.30 cm; con metodo di verifica per meccanismo ad arco con degrado di resistenza, sviluppato attraverso i risultati di un progetto di ricerca sperimentale condotto dall'Università degli Studi di Padova.
Utilizzabile per il materiale [53].

La verifica è stata calibrata sulla base di prove sperimentali sul sistema di Tamponatura Antiespulsione anche in presenza di aperture.

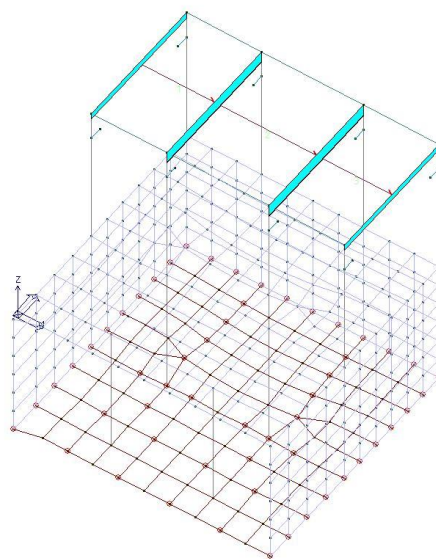
(rif. Rapporti di Prova redatti dal Dipartimento ICEA - Università degli Studi di Padova di test sperimentali condotti sul sistema Tamponatura Antiespulsione di Cis Edil)

In particolare i simboli utilizzati in tabella assumono il seguente significato:

Elem.	Numero identificativo dell'elemento
Stato	Codice di verifica
Ver. c.c.	Verifica nell'ipotesi di trave appoggiata con carico concentrato in mezzzeria
Ver. c.d.	Verifica nell'ipotesi di trave appoggiata con carico distribuito
Ver. c.cin.	Verifica nell'ipotesi di cinematismo con formazione di cerniere plastiche in appoggio e mezzzeria
Ver. CIS	Rapporto pa/pr (valore minore o uguale a 1 per verifica positiva)
Z	Quota del baricentro dell'elemento
T1	Periodo proprio dell'edificio nella direzione di interesse (ortogonale al pannello)
Ta	Periodo proprio della parete
Sa	Accelerazione massima, adimensionalizzata allo SLV
pa	Pressione sulla parete causata dall'azione sismica
pr	Pressione resistente del meccanismo ad arco
Drift	Spostamento relativo interpiano allo SLV valutato secondo il D.M. 14.01.2018 - § 7.3.3.3
Beta a	Coef. riduttivo per tener conto del danneggiamento del piano dipendente dallo spostamento, ottenuto sperimentalmente

ID Arch.	Tipo	G1k daN/cm2	G2k daN/cm2	Qk daN/cm2	Fatt. A	s sis.	Psi 0	Psi 1	Psi 2	Psi S 2	Fatt. Fi
1	Variab.	4.50e-02	1.00e-02	2.00e-02		1.00	0.70	0.50	0.30	0.30	1.00

Elem.	Tipo	ID Arch.	Mat.	Spessore	Orditura	G1k daN/cm2	G2k daN/cm2	Qk daN/cm2	Nodo 1/6..	Nodo 2/7..	Nodo 3/8..	Nodo..	Nodo..
1	CM	1	m=5	4.0	0.0	4.50e-02	1.00e-02	2.00e-02	17	19	4	2	
2	CM	1	m=5	4.0	0.0	4.50e-02	1.00e-02	2.00e-02	18	20	19	17	
3	CM	1	m=5	4.0	0.0	4.50e-02	1.00e-02	2.00e-02	14	10	20	18	



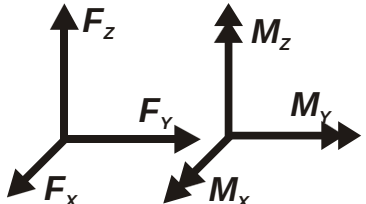
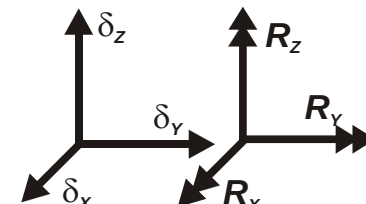
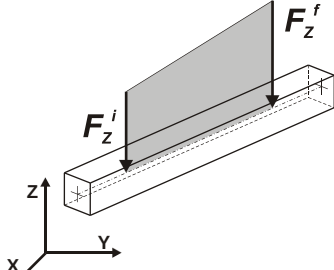
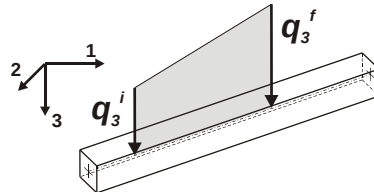
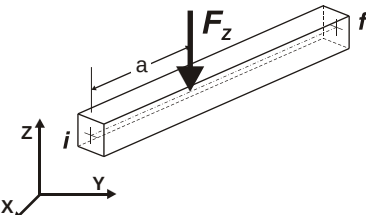
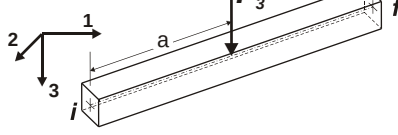
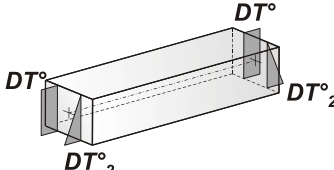
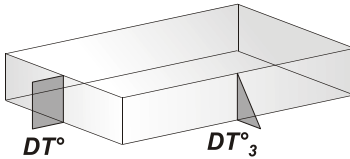
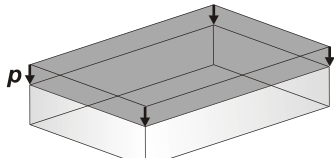
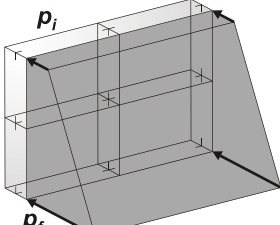
17_MOD_NUMERAZIONE_SOLAI

MODELLAZIONE DELLE AZIONI

LEGENDA TABELLA DATI AZIONI

Il programma consente l'uso di diverse tipologie di carico (azioni). Le azioni utilizzate nella modellazione sono individuate da una sigla identificativa ed un codice numerico (gli elementi strutturali richiamano quest'ultimo nella propria descrizione). Per ogni azione applicata alla struttura viene di riportato il codice, il tipo e la sigla identificativa. Le tabelle successive dettagliano i valori caratteristici di ogni azione in relazione al tipo. Le tabelle riportano infatti i seguenti dati in relazione al tipo:

1	carico concentrato nodale 6 dati (forza F_x , F_y , F_z , momento M_x , M_y , M_z)
2	spostamento nodale impresso 6 dati (spostamento T_x , T_y , T_z , rotazione R_x , R_y , R_z)
3	carico distribuito globale su elemento tipo trave 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di inizio carico) 7 dati (f_x , f_y , f_z , m_x , m_y , m_z , ascissa di fine carico)
4	carico distribuito locale su elemento tipo trave 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di inizio carico) 7 dati (f_1 , f_2 , f_3 , m_1 , m_2 , m_3 , ascissa di fine carico)
5	carico concentrato globale su elemento tipo trave 7 dati (F_x , F_y , F_z , M_x , M_y , M_z , ascissa di carico)
6	carico concentrato locale su elemento tipo trave 7 dati (F_1 , F_2 , F_3 , M_1 , M_2 , M_3 , ascissa di carico)
7	variazione termica applicata ad elemento tipo trave 7 dati (variazioni termiche: uniforme, media e differenza in altezza e larghezza al nodo iniziale e finale)
8	carico di pressione uniforme su elemento tipo piastra 1 dato (pressione)
9	carico di pressione variabile su elemento tipo piastra 4 dati (pressione, quota, pressione, quota)
10	variazione termica applicata ad elemento tipo piastra 2 dati (variazioni termiche: media e differenza nello spessore)
11	carico variabile generale su elementi tipo trave e piastra 1 dato descrizione della tipologia 4 dati per segmento (posizione, valore, posizione, valore) la tipologia precisa l'ascissa di definizione, la direzione del carico, la modalità di carico e la larghezza d'influenza per gli elementi tipo trave
12	gruppo di carichi con impronta su piastra 9 dati (numero di ripetizioni in direzione X e Y, valore di ciascun carico, posizione centrale del primo, dimensioni dell'impronta, interasse tra i carichi)

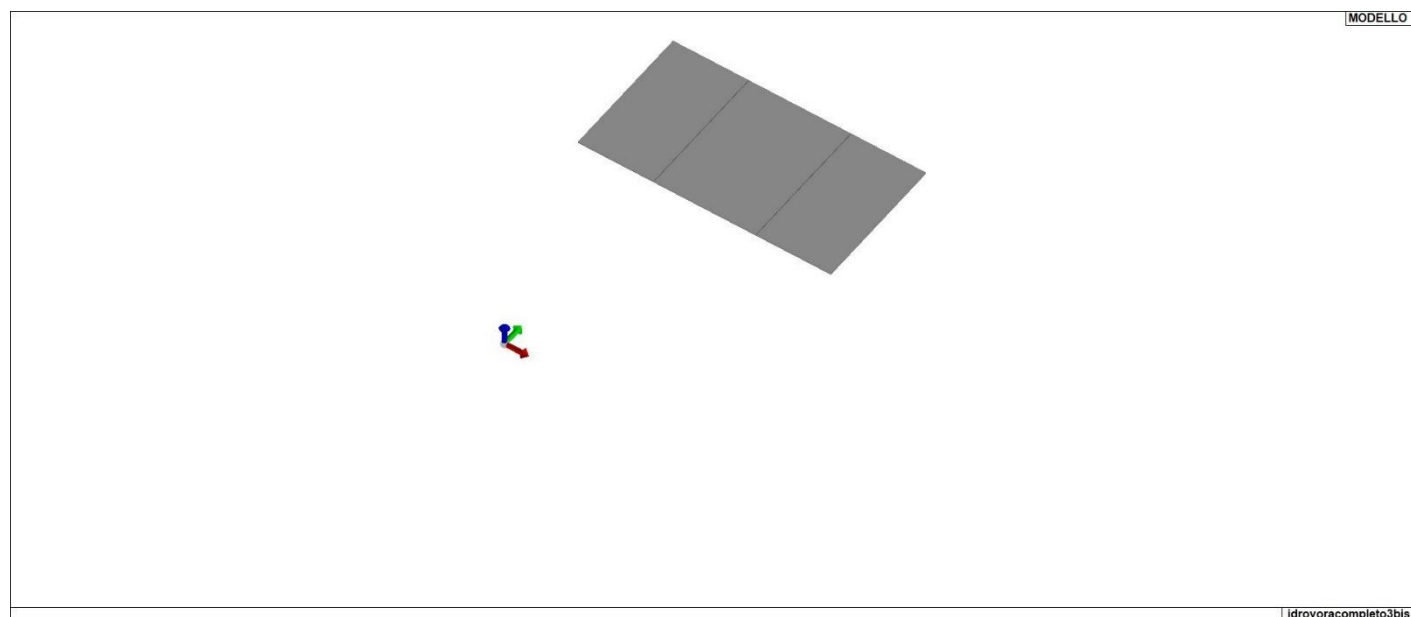
 Carico concentrato nodale	 Spostamento impresso
 Carico distribuito globale	 Carico distribuito locale
 Carico concentrato globale	 Carico concentrato locale
 Carico termico 2D	 Carico termico 3D
 Carico pressione uniforme	 Carico pressione variabile

Tipo | carico concentrato nodale

Id	Tipo	Fx	Fy	Fz	Mx	My	Mz
		daN	daN	daN	daN cm	daN cm	daN cm
1	sgrigliatore-idrovore-CN:Fz=-2000.00	0.0	0.0	-2000.00	0.0	0.0	0.0
6	peso idrivora-sgrigliatore-CN:Fz=-2500.00	0.0	0.0	-2500.00	0.0	0.0	0.0
7	TAMPONATURE 10KN/ml-CN:Fz=-1000.00	0.0	0.0	-1000.00	0.0	0.0	0.0

Tipo | carico variabile generale

Id	Tipo	ascissa	valore	ascissa	valore
		cm	daN/cm2	cm	daN/cm2
2	permanente piastra 5KN/m2-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		-0.05		
3	accidentale-piastra-4KN/m2-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		-0.04		
4	carico acqua h:2m platea fondazione-QV:unif - Qz - Area				
	Unif. Qz Area L2=0.0		-0.20		



21_CAR_CARICHI_SOLAI

SCHEMATIZZAZIONE DEI CASI DI CARICO

LEGENDA TABELLA CASI DI CARICO

Il programma consente l'applicazione di diverse tipologie di casi di carico.

Sono previsti i seguenti 11 tipi di casi di carico:

	Sigla	Tipo	Descrizione
1	Ggk	A	caso di carico comprensivo del peso proprio struttura
2	Gk	NA	caso di carico con azioni permanenti
3	Qk	NA	caso di carico con azioni variabili
4	Gsk	A	caso di carico comprensivo dei carichi permanenti sui solai e sulle coperture
5	Qsk	A	caso di carico comprensivo dei carichi variabili sui solai
6	Qnk	A	caso di carico comprensivo dei carichi di neve sulle coperture
7	Qtk	SA	caso di carico comprensivo di una variazione termica agente sulla struttura
8	Qvk	NA	caso di carico comprensivo di azioni da vento sulla struttura
9	Esk	SA	caso di carico sismico con analisi statica equivalente
10	Edk	SA	caso di carico sismico con analisi dinamica
11	Etk	NA	caso di carico comprensivo di azioni derivanti dall' incremento di spinta delle terre in condizione sismica
12	Pk	NA	caso di carico comprensivo di azioni derivanti da coazioni, cedimenti e precompressioni

Sono di tipo automatico A (ossia non prevedono introduzione dati da parte dell'utente) i seguenti casi di carico: 1-Ggk; 4-Gsk; 5-Qsk; 6-Qnk.

Sono di tipo semi-automatico SA (ossia prevedono una minima introduzione dati da parte dell'utente) i seguenti casi di carico:

7-Qtk, in quanto richiede solo il valore della variazione termica;

9-Esk e 10-Edk, in quanto richiedono il valore dell'angolo di ingresso del sisma e l'individuazione dei casi di carico partecipanti alla definizione delle masse.

Sono di tipo non automatico NA ossia prevedono la diretta applicazione di carichi generici agli elementi strutturali (si veda il precedente punto Modellazione delle Azioni) i restanti casi di carico.

Nella tabella successiva vengono riportati i casi di carico agenti sulla struttura, con l'indicazione dei dati relativi al caso di carico stesso:

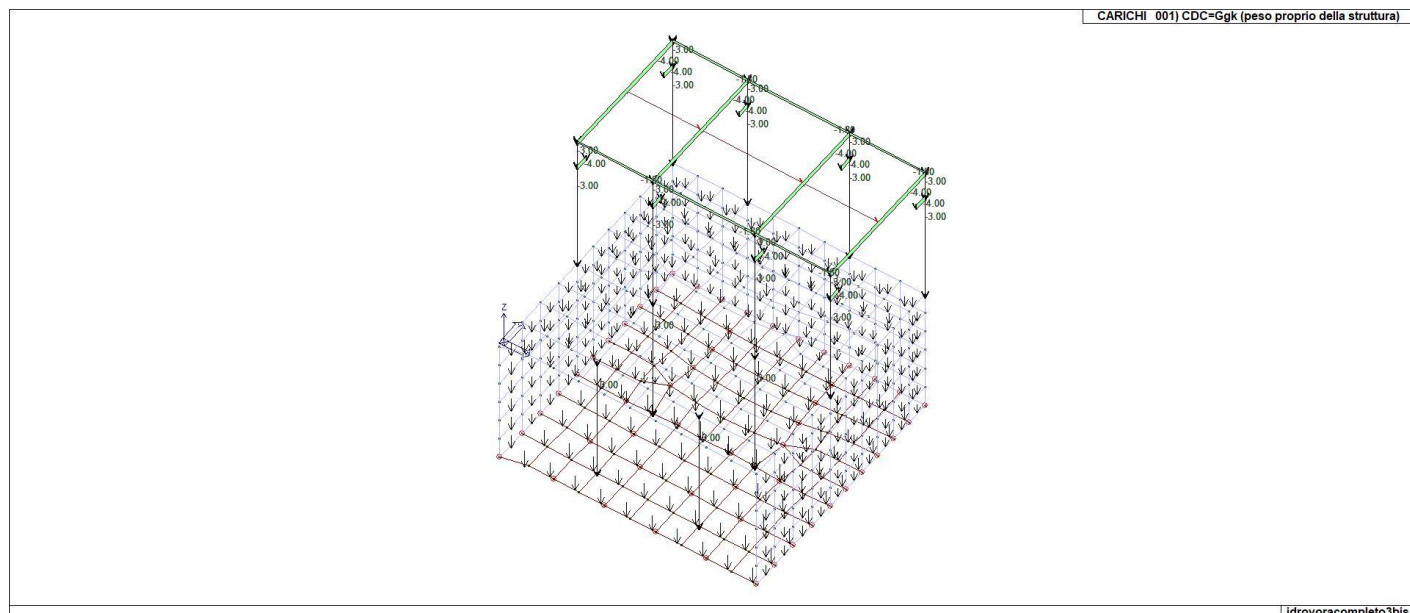
Numero Tipo e Sigla identificativa, Valore di riferimento del caso di carico (se previsto).

In successione, per i casi di carico non automatici, viene riportato l'elenco di nodi ed elementi direttamente caricati con la sigla identificativa del carico.

Per i casi di carico di tipo sismico (9-Esk e 10-Edk), viene riportata la tabella di definizione delle masse: per ogni caso di carico partecipante alla definizione delle masse viene indicata la relativa aliquota (partecipazione) considerata. Si precisa che per i caso di carico 5-Qsk e 6-Qnk la partecipazione è prevista localmente per ogni elemento solaio o copertura presente nel modello (si confronti il valore Sksol nel capitolo relativo agli elementi solaio) e pertanto la loro partecipazione è di norma pari a uno.

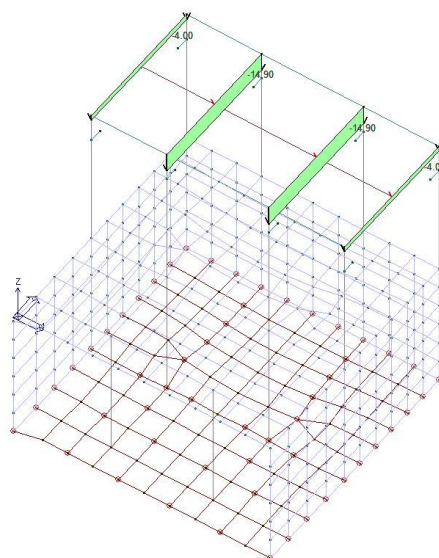
CDC	Tipo	Sigla Id	Note
1	Ggk	CDC=Ggk (peso proprio della struttura)	
2	Gsk	CDC=G1sk (permanente solai-coperture)	
3	Gsk	CDC=G2sk (permanente solai-coperture n.c.d.)	
4	Qsk	CDC=Qsk (variabile solai)	
5	Esk	CDC=Es (statico SLU) $\alpha=0.0$ (ecc. +)	partecipazione:1.00 per 1 CDC=Ggk (peso proprio della struttura)
			partecipazione:1.00 per 2 CDC=G1sk (permanente solai-coperture)
			partecipazione:1.00 per 3 CDC=G2sk (permanente solai-coperture n.c.d.)

CDC	Tipo	Sigla Id	Note
			partecipazione:1.00 per 4 CDC=Qsk (variabile solai)
			partecipazione:1.00 per 13 CDC=G1k (permanente generico)
			partecipazione:0.80 per 14 CDC=Qk (variabile generico)
6	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. -)	come precedente CDC sismico
7	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. +)	come precedente CDC sismico
8	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. -)	come precedente CDC sismico
9	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. +)	come precedente CDC sismico
10	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. -)	come precedente CDC sismico
11	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. +)	come precedente CDC sismico
12	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. -)	come precedente CDC sismico
13	Gk	CDC=G1k (permanente generico)	Azioni applicate:
			Nodo: 33 Azione : peso idrivora-sgrigliatore-CN:Fz=-2500.00
			Nodo: 46 Azione : peso idrivora-sgrigliatore-CN:Fz=-2500.00
			Nodo: 47 Azione : TAMPONATURE 10KN/ml-CN:Fz=-1000.00
			Nodo: 55 Azione : TAMPONATURE 10KN/ml-CN:Fz=-1000.00
			Nodo: 57 Azione : TAMPONATURE 10KN/ml-CN:Fz=-1000.00
			Nodo: 59 Azione : peso idrivora-sgrigliatore-CN:Fz=-2500.00
			Nodo: 80 Azione : TAMPONATURE 10KN/ml-CN:Fz=-1000.00
			Nodo: 93 Azione : TAMPONATURE 10KN/ml-CN:Fz=-1000.00
			Nodo: 97 Azione : peso idrivora-sgrigliatore-CN:Fz=-2500.00
			Nodo:da 103 a 104 Azione : TAMPONATURE 10KN/ml-CN:Fz=-1000.00
			Nodo: 110 Azione : peso idrivora-sgrigliatore-CN:Fz=-2500.00
			Nodo: 118 Azione : peso idrivora-sgrigliatore-CN:Fz=-2500.00
			D3 :da 1 a 96 Azione : permanentepiastra5KN/m2-QV:unif - Qz - Area
14	Qk	CDC=Qk (variabile generico)	Azioni applicate:
			Nodo: 27 Azione : sgrigliatore-idrovore-CN:Fz=-2000.00
			Nodo: 30 Azione : sgrigliatore-idrovore-CN:Fz=-2000.00
			Nodo: 140 Azione : sgrigliatore-idrovore-CN:Fz=-2000.00
			D3 :da 1 a 96 Azione : accidentale-piastra-4KN/m2-QV:unif - Qz - Area
			D3 :da 97 a 192 Azione : carico acqua h:2m platea fondazione-QV:unif - Qz - Area



22_CDC_001_CDC=Ggk (peso proprio della struttura)

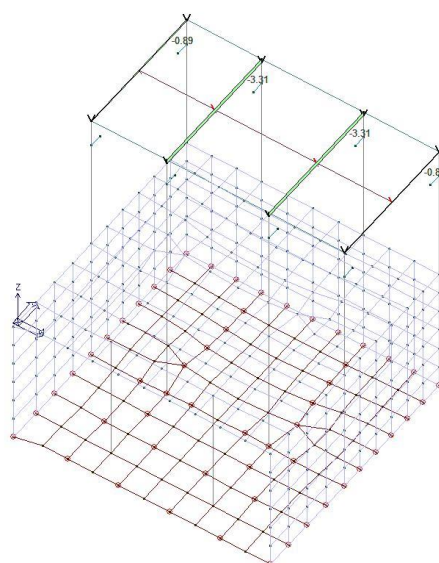
CARICHI 002) CDC=G1sk (permanente solai-coperture)



idrovoracompleto3bis

22_CDC_002_CDC=G1sk (permanente solai-coperture)

CARICHI 003) CDC=G2sk (permanente solai-coperture n.c.d.)



idrovoracompleto3bis

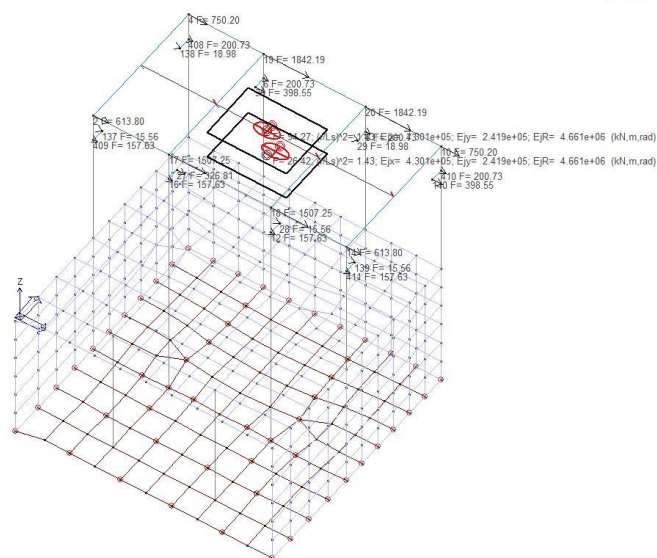
22_CDC_003_CDC=G2sk (permanente solai-coperture n.c.d.)



idrovoracompleto3bis

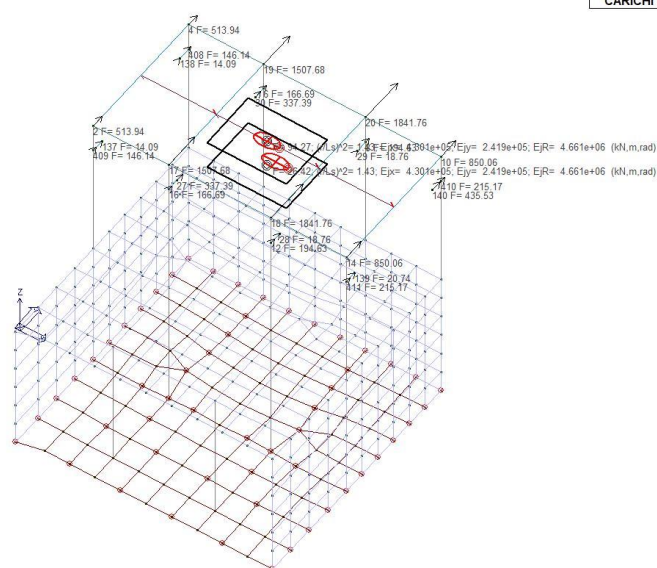


idrovoracompleto3bis



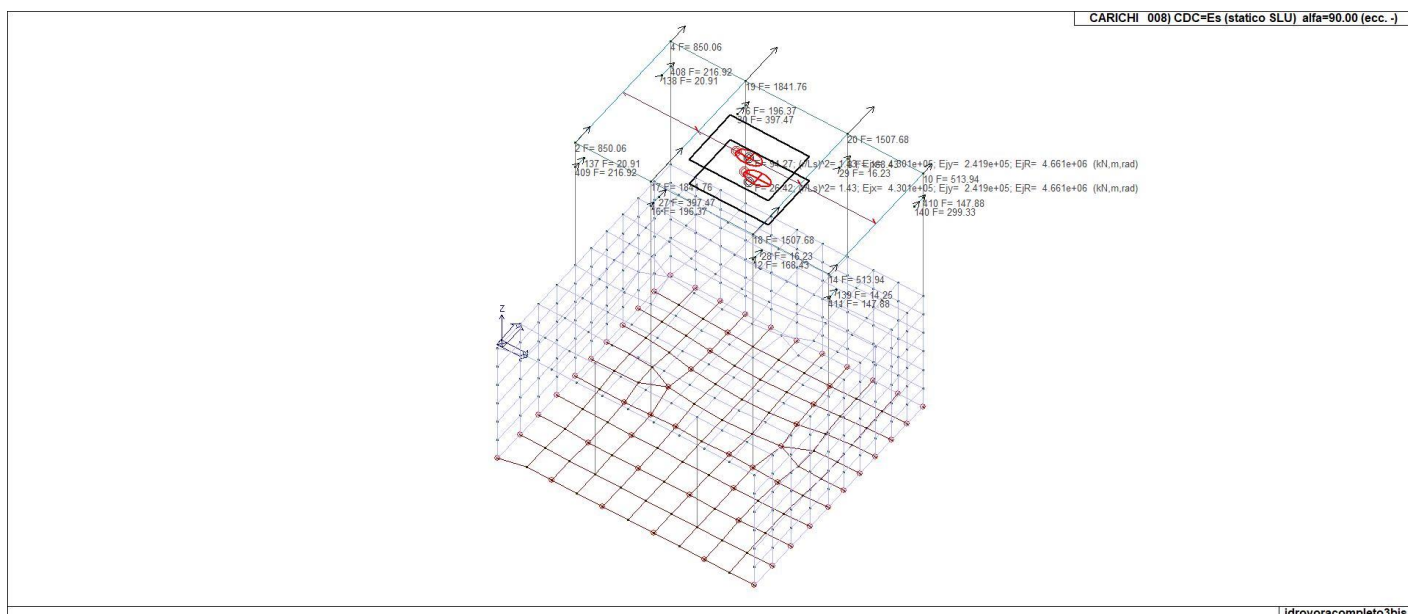
idrovoracompleto3bis

22_CDC_006_CDC=Es (statico SLU) alfa=0.0 (ecc. -)

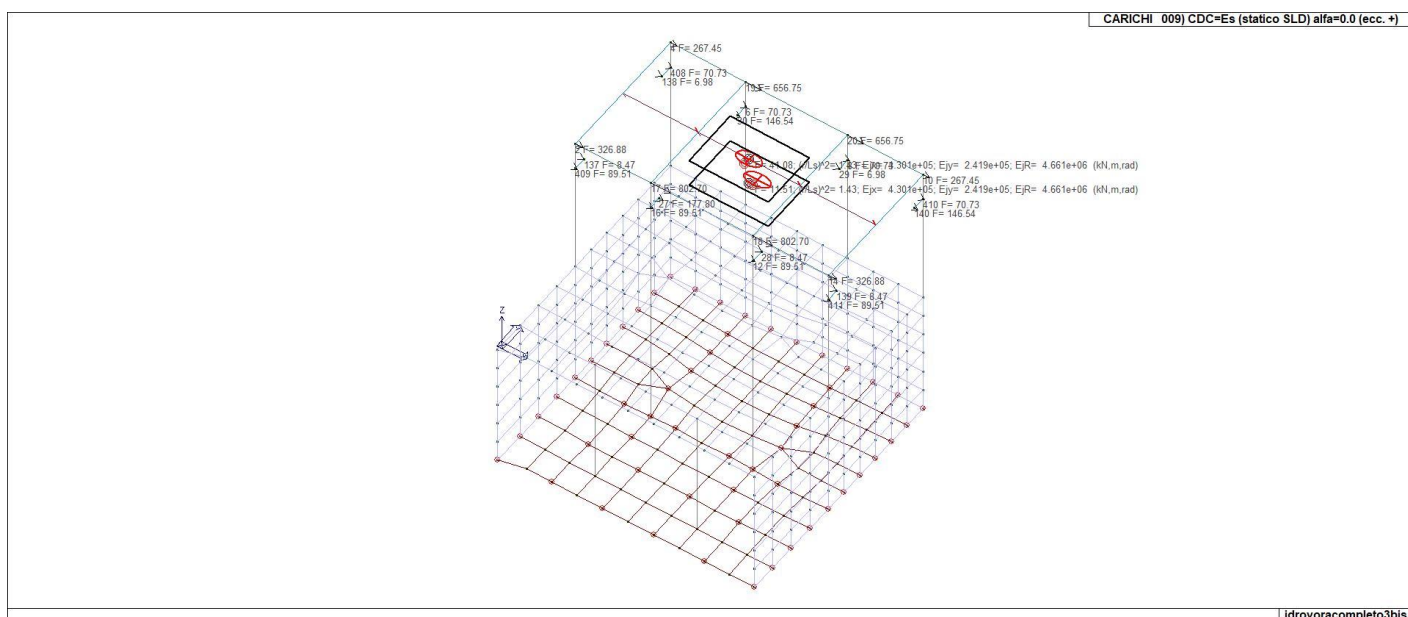


idrovoracompleto3bis

22_CDC_007_CDC=Es (statico SLU) alfa=90.00 (ecc. +)

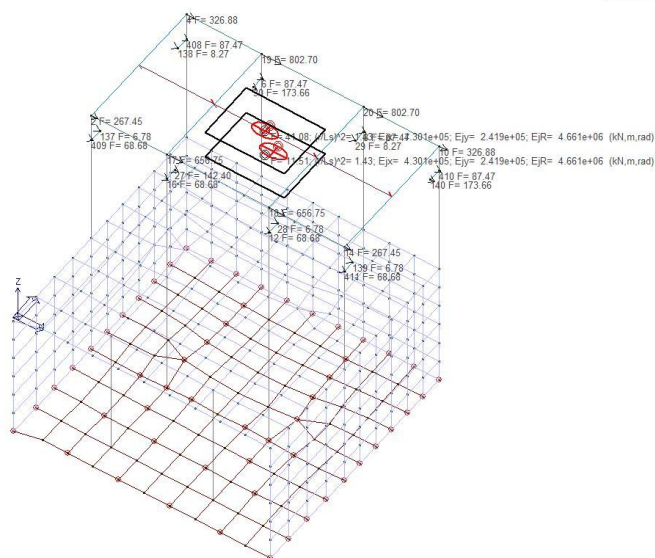


22_CDC_008_CDC=Es (statico SLU) alfa=90.00 (ecc. -)



22_CDC_009_CDC=Es (statico SLD) alfa=0.0 (ecc. +)

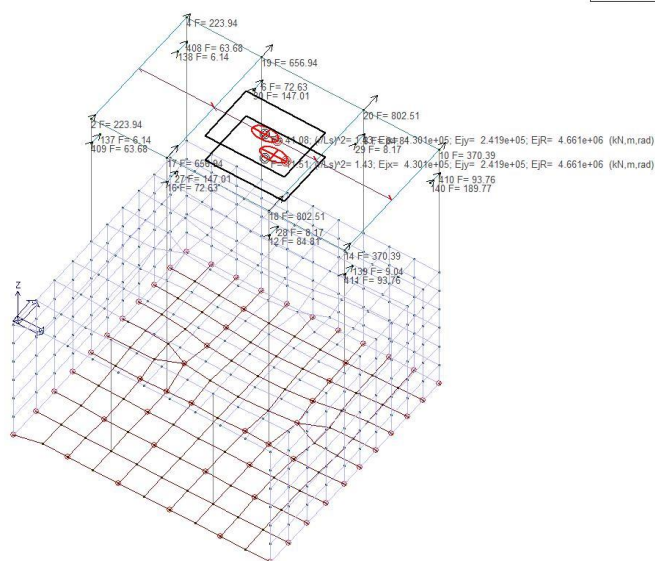
CARICHI 010) CDC=Es (statico SLD) alfa=0.0 (ecc. -)



idrovoracompleto3bis

22_CDC_010_CDC=Es (statico SLD) alfa=0.0 (ecc. -)

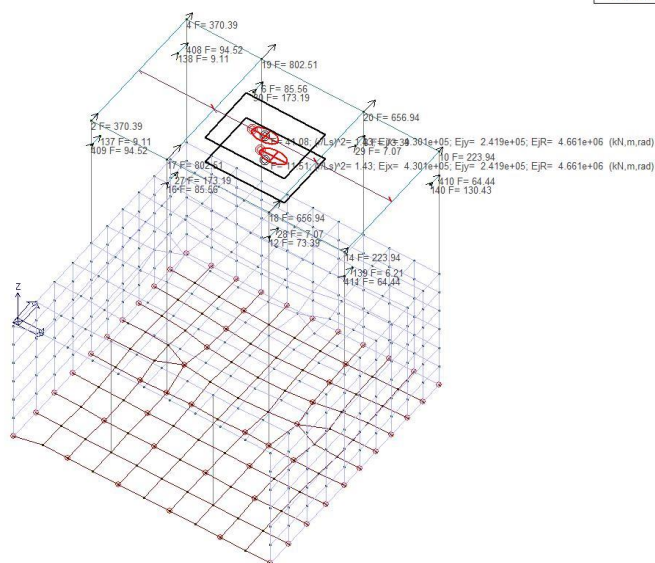
CARICHI 011) CDC=Es (statico SLD) alfa=90.00 (ecc. +)

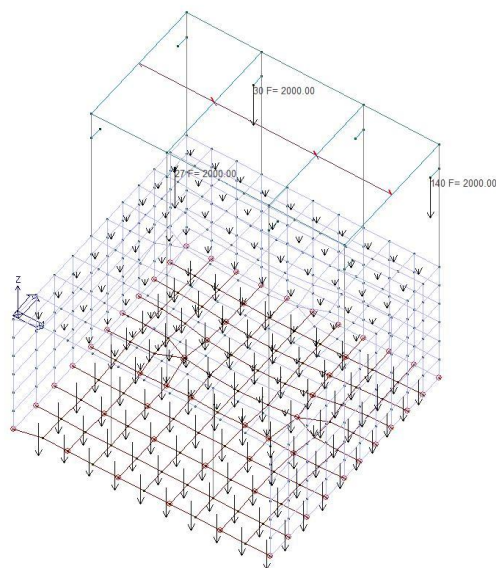


idrovoracompleto3bis

22_CDC_011_CDC=Es (statico SLD) alfa=90.00 (ecc. +)

CARICHI 012) CDC=Es (statico SLD) alfa=90.00 (ecc. -)





22_CDC_014_CDC=Qk (variabile generico)

DEFINIZIONE DELLE COMBINAZIONI

LEGENDA TABELLA COMBINAZIONI DI CARICO

Il programma combina i diversi tipi di casi di carico (CDC) secondo le regole previste dalla normativa vigente. Le combinazioni previste sono destinate al controllo di sicurezza della struttura ed alla verifica degli spostamenti e delle sollecitazioni.

La prima tabella delle combinazioni riportata di seguito comprende le seguenti informazioni: Numero, Tipo, Sigla identificativa. Una seconda tabella riporta il peso nella combinazione assunto per ogni caso di carico.

Ai fini delle verifiche degli stati limite si definiscono le seguenti combinazioni delle azioni:

Combinazione fondamentale SLU

$$\gamma G_1 \cdot G_1 + \gamma G_2 \cdot G_2 + \gamma P \cdot P + \gamma Q_1 \cdot Q_{k1} + \gamma Q_2 \cdot \psi_{02} \cdot Q_{k2} + \gamma Q_3 \cdot \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione caratteristica (rara) SLE

$$G_1 + G_2 + P + Q_{k1} + \psi_{02} \cdot Q_{k2} + \psi_{03} \cdot Q_{k3} + \dots$$

Combinazione frequente SLE

$$G_1 + G_2 + P + \psi_{11} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione quasi permanente SLE

$$G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \psi_{23} \cdot Q_{k3} + \dots$$

Combinazione sismica, impiegata per gli stati limite ultimi e di esercizio connessi all'azione sismica *E*

$$E + G_1 + G_2 + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Combinazione eccezionale, impiegata per gli stati limite connessi alle azioni eccezionali

$$G_1 + G_2 + A_d + P + \psi_{21} \cdot Q_{k1} + \psi_{22} \cdot Q_{k2} + \dots$$

Dove:

NTC 2018 Tabella 2.5.1

Destinazione d'uso/azione	ψ_0	ψ_1	ψ_2
Categoria A residenziali	0,70	0,50	0,30
Categoria B uffici	0,70	0,50	0,30
Categoria C ambienti suscettibili di affollamento	0,70	0,70	0,60
Categoria D ambienti ad uso commerciale	0,70	0,70	0,60
Categoria E biblioteche, archivi, magazzini,...	1,00	0,90	0,80
Categoria F Rimesse e parcheggi (autoveicoli $\leq 30kN$)	0,70	0,70	0,60
Categoria G Rimesse e parcheggi (autoveicoli $> 30kN$)	0,70	0,50	0,30
Categoria H Coperture	0,00	0,00	0,00
Vento	0,60	0,20	0,00
Neve a quota ≤ 1000 m	0,50	0,20	0,00
Neve a quota > 1000 m	0,70	0,50	0,20
Variazioni Termiche	0,60	0,50	0,00

Nelle verifiche possono essere adottati in alternativa due diversi approcci progettuali:

- per l'approccio 1 si considerano due diverse combinazioni di gruppi di coefficienti di sicurezza parziali per le azioni, per i materiali e per la resistenza globale (combinazione 1 con coefficienti A1 e combinazione 2 con coefficienti A2),
- per l'approccio 2 si definisce un'unica combinazione per le azioni, per la resistenza dei materiali e per la resistenza globale (con coefficienti A1).

NTC 2018 Tabella 2.6.I

		Coefficiente γ_f	EQU	A1	A2
<i>Carichi permanenti</i>	<i>Favorevoli</i>	γ_{G1}	0,9	1,0	1,0
	<i>Sfavorevoli</i>		1,1	1,3	1,0
<i>Carichi permanenti non strutturali (Non compiutamente definiti)</i>	<i>Favorevoli</i>	γ_{G2}	0,8	0,8	0,8
	<i>Sfavorevoli</i>		1,5	1,5	1,3
<i>Carichi variabili</i>	<i>Favorevoli</i>	γ_{Qi}	0,0	0,0	0,0
	<i>Sfavorevoli</i>		1,5	1,5	1,3

Cmb	Tipo	Sigla Id	effetto P-delta
1	SLU	Comb. SLU A1 1	
2	SLU	Comb. SLU A1 2	
3	SLU	Comb. SLU A1 3	
4	SLU	Comb. SLU A1 4	
5	SLU	Comb. SLU A1 5	
6	SLU	Comb. SLU A1 6	
7	SLU	Comb. SLU A1 7	
8	SLU	Comb. SLU A1 8	
9	SLU	Comb. SLU A1 9	
10	SLU	Comb. SLU A1 10	
11	SLU	Comb. SLU A1 11	
12	SLU	Comb. SLU A1 12	
13	SLU	Comb. SLU A1 (SLV sism.) 13	
14	SLU	Comb. SLU A1 (SLV sism.) 14	
15	SLU	Comb. SLU A1 (SLV sism.) 15	
16	SLU	Comb. SLU A1 (SLV sism.) 16	
17	SLU	Comb. SLU A1 (SLV sism.) 17	
18	SLU	Comb. SLU A1 (SLV sism.) 18	
19	SLU	Comb. SLU A1 (SLV sism.) 19	
20	SLU	Comb. SLU A1 (SLV sism.) 20	
21	SLU	Comb. SLU A1 (SLV sism.) 21	
22	SLU	Comb. SLU A1 (SLV sism.) 22	
23	SLU	Comb. SLU A1 (SLV sism.) 23	
24	SLU	Comb. SLU A1 (SLV sism.) 24	
25	SLU	Comb. SLU A1 (SLV sism.) 25	
26	SLU	Comb. SLU A1 (SLV sism.) 26	
27	SLU	Comb. SLU A1 (SLV sism.) 27	
28	SLU	Comb. SLU A1 (SLV sism.) 28	
29	SLU	Comb. SLU A1 (SLV sism.) 29	
30	SLU	Comb. SLU A1 (SLV sism.) 30	
31	SLU	Comb. SLU A1 (SLV sism.) 31	
32	SLU	Comb. SLU A1 (SLV sism.) 32	
33	SLU	Comb. SLU A1 (SLV sism.) 33	
34	SLU	Comb. SLU A1 (SLV sism.) 34	
35	SLU	Comb. SLU A1 (SLV sism.) 35	
36	SLU	Comb. SLU A1 (SLV sism.) 36	
37	SLU	Comb. SLU A1 (SLV sism.) 37	
38	SLU	Comb. SLU A1 (SLV sism.) 38	
39	SLU	Comb. SLU A1 (SLV sism.) 39	
40	SLU	Comb. SLU A1 (SLV sism.) 40	
41	SLU	Comb. SLU A1 (SLV sism.) 41	
42	SLU	Comb. SLU A1 (SLV sism.) 42	
43	SLU	Comb. SLU A1 (SLV sism.) 43	
44	SLU	Comb. SLU A1 (SLV sism.) 44	
45	SLD(sis)	Comb. SLE (SLD Danno sism.) 45	
46	SLD(sis)	Comb. SLE (SLD Danno sism.) 46	
47	SLD(sis)	Comb. SLE (SLD Danno sism.) 47	
48	SLD(sis)	Comb. SLE (SLD Danno sism.) 48	
49	SLD(sis)	Comb. SLE (SLD Danno sism.) 49	
50	SLD(sis)	Comb. SLE (SLD Danno sism.) 50	
51	SLD(sis)	Comb. SLE (SLD Danno sism.) 51	

Cmb	Tipo	Sigla Id	effetto P-delta
52	SLD(sis)	Comb. SLE (SLD Danno sism.) 52	
53	SLD(sis)	Comb. SLE (SLD Danno sism.) 53	
54	SLD(sis)	Comb. SLE (SLD Danno sism.) 54	
55	SLD(sis)	Comb. SLE (SLD Danno sism.) 55	
56	SLD(sis)	Comb. SLE (SLD Danno sism.) 56	
57	SLD(sis)	Comb. SLE (SLD Danno sism.) 57	
58	SLD(sis)	Comb. SLE (SLD Danno sism.) 58	
59	SLD(sis)	Comb. SLE (SLD Danno sism.) 59	
60	SLD(sis)	Comb. SLE (SLD Danno sism.) 60	
61	SLD(sis)	Comb. SLE (SLD Danno sism.) 61	
62	SLD(sis)	Comb. SLE (SLD Danno sism.) 62	
63	SLD(sis)	Comb. SLE (SLD Danno sism.) 63	
64	SLD(sis)	Comb. SLE (SLD Danno sism.) 64	
65	SLD(sis)	Comb. SLE (SLD Danno sism.) 65	
66	SLD(sis)	Comb. SLE (SLD Danno sism.) 66	
67	SLD(sis)	Comb. SLE (SLD Danno sism.) 67	
68	SLD(sis)	Comb. SLE (SLD Danno sism.) 68	
69	SLD(sis)	Comb. SLE (SLD Danno sism.) 69	
70	SLD(sis)	Comb. SLE (SLD Danno sism.) 70	
71	SLD(sis)	Comb. SLE (SLD Danno sism.) 71	
72	SLD(sis)	Comb. SLE (SLD Danno sism.) 72	
73	SLD(sis)	Comb. SLE (SLD Danno sism.) 73	
74	SLD(sis)	Comb. SLE (SLD Danno sism.) 74	
75	SLD(sis)	Comb. SLE (SLD Danno sism.) 75	
76	SLD(sis)	Comb. SLE (SLD Danno sism.) 76	
77	SLE(p)	Comb. SLE(perm.) 77	
78	SLE(p)	Comb. SLE(perm.) 78	
79	SLE(p)	Comb. SLE(perm.) 79	
80	SLE(p)	Comb. SLE(perm.) 80	
81	SLE(r)	Comb. SLE(rara) 81	
82	SLE(r)	Comb. SLE(rara) 82	
83	SLE(r)	Comb. SLE(rara) 83	
84	SLE(r)	Comb. SLE(rara) 84	
85	SLE(r)	Comb. SLE(rara) 85	
86	SLE(r)	Comb. SLE(rara) 86	

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
1	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0
2	1.30	1.30	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50
3	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0
4	1.30	1.30	1.50	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50
5	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
6	1.00	1.00	0.80	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50
7	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
8	1.00	1.00	0.80	1.50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50
9	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	0.0
10	1.30	1.30	1.50	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.30	1.50
11	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
12	1.00	1.00	0.80	1.05	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.50
13	1.00	1.00	1.00	0.30	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
14	1.00	1.00	1.00	0.30	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
15	1.00	1.00	1.00	0.30	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
16	1.00	1.00	1.00	0.30	1.00	0.0	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
17	1.00	1.00	1.00	0.30	-1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
18	1.00	1.00	1.00	0.30	-1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
19	1.00	1.00	1.00	0.30	1.00	0.0	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
20	1.00	1.00	1.00	0.30	1.00	0.0	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
21	1.00	1.00	1.00	0.30	0.0	-1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
22	1.00	1.00	1.00	0.30	0.0	-1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
23	1.00	1.00	1.00	0.30	0.0	1.00	-0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
24	1.00	1.00	1.00	0.30	0.0	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.80
25	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
26	1.00	1.00	1.00	0.30	0.0	-1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
27	1.00	1.00	1.00	0.30	0.0	1.00	0.0	-0.30	0.0	0.0	0.0	0.0	1.00	0.80
28	1.00	1.00	1.00	0.30	0.0	1.00	0.0	0.30	0.0	0.0	0.0	0.0	1.00	0.80
29	1.00	1.00	1.00	0.30	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
30	1.00	1.00	1.00	0.30	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
31	1.00	1.00	1.00	0.30	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
32	1.00	1.00	1.00	0.30	0.30	0.0	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80

Cmb	CDC 1/15...	CDC 2/16...	CDC 3/17...	CDC 4/18...	CDC 5/19...	CDC 6/20...	CDC 7/21...	CDC 8/22...	CDC 9/23...	CDC 10/24...	CDC 11/25...	CDC 12/26...	CDC 13/27...	CDC 14/28...
33	1.00	1.00	1.00	0.30	0.0	-0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
34	1.00	1.00	1.00	0.30	0.0	-0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
35	1.00	1.00	1.00	0.30	0.0	0.30	-1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
36	1.00	1.00	1.00	0.30	0.0	0.30	1.00	0.0	0.0	0.0	0.0	0.0	1.00	0.80
37	1.00	1.00	1.00	0.30	-0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
38	1.00	1.00	1.00	0.30	-0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
39	1.00	1.00	1.00	0.30	0.30	0.0	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
40	1.00	1.00	1.00	0.30	0.30	0.0	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
41	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
42	1.00	1.00	1.00	0.30	0.0	-0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
43	1.00	1.00	1.00	0.30	0.0	0.30	0.0	-1.00	0.0	0.0	0.0	0.0	1.00	0.80
44	1.00	1.00	1.00	0.30	0.0	0.30	0.0	1.00	0.0	0.0	0.0	0.0	1.00	0.80
45	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	0.0	1.00	0.80
46	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	0.0	1.00	0.80
47	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	0.0	1.00	0.80
48	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.30	0.0	1.00	0.80
49	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	-0.30	1.00	0.80
50	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-1.00	0.0	0.0	0.30	1.00	0.80
51	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	-0.30	1.00	0.80
52	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	1.00	0.0	0.0	0.30	1.00	0.80
53	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	-0.30	0.0	1.00	0.80
54	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.30	0.0	1.00	0.80
55	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	-0.30	0.0	1.00	0.80
56	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.30	0.0	1.00	0.80
57	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	-0.30	1.00	0.80
58	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-1.00	0.0	0.30	1.00	0.80
59	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	-0.30	1.00	0.80
60	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	1.00	0.0	0.30	1.00	0.80
61	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	0.0	1.00	0.80
62	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	0.0	1.00	0.80
63	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	0.0	1.00	0.80
64	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	1.00	0.0	1.00	0.80
65	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	-1.00	0.0	1.00	0.80
66	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	1.00	0.0	1.00	0.80
67	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	-1.00	0.0	1.00	0.80
68	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	1.00	0.0	1.00	0.80
69	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	-1.00	1.00	0.80
70	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	-0.30	0.0	0.0	1.00	1.00	0.80
71	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	0.0	-1.00	1.00	0.80
72	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.30	0.0	0.0	1.00	1.00	0.80
73	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	-1.00	1.00	0.80
74	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	-0.30	0.0	1.00	1.00	0.80
75	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	-1.00	1.00	0.80
76	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.30	0.0	1.00	1.00	0.80
77	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
78	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80
79	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
80	1.00	1.00	1.00	0.30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.80
81	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
82	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
83	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
84	1.00	1.00	1.00	1.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00
85	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	0.0
86	1.00	1.00	1.00	0.70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.00	1.00

AZIONE SISMICA

VALUTAZIONE DELL' AZIONE SISMICA

L'azione sismica sulle costruzioni è valutata a partire dalla "pericolosità sismica di base", in condizioni ideali di sito di riferimento rigido con superficie topografica orizzontale.

Allo stato attuale, la pericolosità sismica su reticolo di riferimento nell'intervallo di riferimento è fornita dai dati pubblicati sul sito <http://esse1.mi.ingv.it/>. Per punti non coincidenti con il reticolo di riferimento e periodi di ritorno non contemplati direttamente si opera come indicato nell' allegato alle NTC (rispettivamente media pesata e interpolazione).

L' azione sismica viene definita in relazione ad un periodo di riferimento V_r che si ricava, per ciascun tipo di costruzione, moltiplicandone la vita nominale per il coefficiente d'uso (vedi tabella Parametri della struttura). Fissato il periodo di riferimento V_r e la probabilità di superamento P_{ver} associata a ciascuno degli stati limite considerati, si ottiene il periodo di ritorno T_r e i relativi parametri di pericolosità sismica (vedi tabella successiva):

a_g : accelerazione orizzontale massima del terreno;

F_o : valore massimo del fattore di amplificazione dello spettro in accelerazione orizzontale;

T^*c : periodo di inizio del tratto a velocità costante dello spettro in accelerazione orizzontale;

Parametri della struttura					
Classe d'uso	Vita V_n [anni]	Coeff. Uso	Periodo V_r [anni]	Tipo di suolo	Categoria topografica
II	50.0	1.0	50.0	D	T1

Individuati su reticolo di riferimento i parametri di pericolosità sismica si valutano i parametri spettrali riportati in tabella:

S è il coefficiente che tiene conto della categoria di sottosuolo e delle condizioni topografiche mediante la relazione seguente $S = S_s \cdot S_t$ (3.2.3)

F_o è il fattore che quantifica l'amplificazione spettrale massima, su sito di riferimento rigido orizzontale

F_v è il fattore che quantifica l'amplificazione spettrale massima verticale, in termini di accelerazione orizzontale massima del terreno a_g su sito di riferimento rigido orizzontale

T_b è il periodo corrispondente all'inizio del tratto dello spettro ad accelerazione costante.

T_c è il periodo corrispondente all'inizio del tratto dello spettro a velocità costante.

T_d è il periodo corrispondente all'inizio del tratto dello spettro a spostamento costante.

Lo spettro di risposta elastico in accelerazione della componente orizzontale del moto sismico, S_e , è definito dalle seguenti espressioni:

$$\begin{aligned}
 0 \leq T < T_b & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left[\frac{T}{T_b} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_b} \right) \right] \\
 T_b \leq T < T_c & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \\
 T_c \leq T < T_d & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_c}{T} \right) \\
 T_d \leq T & \quad S_e(T) = a_g \cdot S \cdot \eta \cdot F_o \cdot \left(\frac{T_c \cdot T_d}{T^2} \right)
 \end{aligned}$$

Dove per sottosuolo di categoria **A** i coefficienti S_s e C_c valgono 1; mentre per le categorie di sottosuolo B, C, D, E i coefficienti S_s e C_c vengono calcolati mediante le espressioni riportate nella seguente Tabella

Categoria sottosuolo	S_s	C_c
A	1,00	1,00
B	$1,00 \leq 1,40 - 0,40 \cdot F_o \cdot \frac{a_g}{g} \leq 1,20$	$1,10 \cdot (T_c^*)^{-0,20}$
C	$1,00 \leq 1,70 - 0,60 \cdot F_o \cdot \frac{a_g}{g} \leq 1,50$	$1,05 \cdot (T_c^*)^{-0,33}$
D	$0,90 \leq 2,40 - 1,50 \cdot F_o \cdot \frac{a_g}{g} \leq 1,80$	$1,25 \cdot (T_c^*)^{-0,50}$
E	$1,00 \leq 2,00 - 1,10 \cdot F_o \cdot \frac{a_g}{g} \leq 1,60$	$1,15 \cdot (T_c^*)^{-0,40}$

Per tenere conto delle condizioni topografiche e in assenza di specifiche analisi di risposta sismica locale, si utilizzano i valori del coefficiente topografico S_T riportati nella seguente Tabella

Categoria topografica	Ubicazione dell'opera o dell'intervento	S_T
T1	-	1,0
T2	In corrispondenza della sommità del pendio	1,2
T3	In corrispondenza della cresta di un rilievo con pendenza media minore o uguale a 30°	1,2
T4	In corrispondenza della cresta di un rilievo con pendenza media maggiore di 30°	1,4

Lo spettro di risposta elastico in accelerazione della componente verticale del moto sismico, S_{ve} , è definito dalle espressioni:

$$0 \leq T < T_B \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left[\frac{T}{T_B} + \frac{1}{\eta \cdot F_o} \left(1 - \frac{T}{T_B} \right) \right]$$

$$T_B \leq T < T_C \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v$$

$$T_C \leq T < T_D \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C}{T} \right)$$

$$T_D \leq T \quad S_{ve}(T) = a_g \cdot S \cdot \eta \cdot F_v \cdot \left(\frac{T_C \cdot T_D}{T^2} \right)$$

I valori di S_s , T_B , T_C e T_D , sono riportati nella seguente Tabella

Categoria di sottosuolo	S_s	T_B	T_C	T_D
A, B, C, D, E	1,0	0,05 s	0,15 s	1,0 s

Id nodo	Longitudine	Latitudine	Distanza
			Km
Loc.	8.595	39.903	

SL	Pver	Tr	ag	Fo	T*c
		Anni	g		sec
SLO	81.0	30.0	0.019	2.610	0.273
SLD	63.0	50.0	0.024	2.670	0.296
SLV	10.0	475.0	0.050	2.880	0.340
SLC	5.0	975.0	0.060	2.980	0.372

SL	ag	S	Fo	Fv	Tb	Tc	Td
	g				sec	sec	sec
SLO	0.019	1.800	2.610	0.481	0.218	0.653	1.674
SLD	0.024	1.800	2.670	0.553	0.227	0.680	1.694
SLV	0.050	1.800	2.880	0.869	0.243	0.729	1.800
SLC	0.060	1.800	2.980	0.988	0.254	0.762	1.841

RISULTATI ANALISI SISMICHE

LEGENDA TABELLA ANALISI SISMICHE

Il programma consente l'analisi di diverse configurazioni sismiche.

Sono previsti, infatti, i seguenti casi di carico:

- 9. Esk** caso di carico sismico con analisi statica equivalente
- 10. Edk** caso di carico sismico con analisi dinamica

Ciascun caso di carico è caratterizzato da un angolo di ingresso e da una configurazione di masse determinante la forza sismica complessiva (si rimanda al capitolo relativo ai casi di carico per chiarimenti inerenti questo aspetto).

Nella colonna Note, in funzione della norma in uso sono riportati i parametri fondamentali che caratterizzano l'azione sismica: in particolare possono essere presenti i seguenti valori:

Angolo di ingresso	Angolo di ingresso dell'azione sismica orizzontale
Fattore di importanza	Fattore di importanza dell'edificio, in base alla categoria di appartenenza
Zona sismica	Zona sismica
Accelerazione ag	Accelerazione orizzontale massima sul suolo
Categoria suolo	Categoria di profilo stratigrafico del suolo di fondazione
Fattore q	Fattore di struttura/di comportamento. Dipendente dalla tipologia strutturale
Fattore di sito S	Fattore dipendente dalla stratigrafia e dal profilo topografico
Classe di duttilità CD	Classe di duttilità della struttura – "A" duttilità alta, "B" duttilità bassa
Fattore riduz. SLD	Fattore di riduzione dello spettro elastico per lo stato limite di danno
Periodo proprio T1	Periodo proprio di vibrazione della struttura
Coefficiente Lambda	Coefficiente dipendente dal periodo proprio T1 e dal numero di piani della struttura
Ordinata spettro Sd(T1)	Valore delle ordinate dello spettro di progetto per lo stato limite ultimo, componente orizzontale (verticale Svd)
Ordinata spettro Se(T1)	Valore delle ordinate dello spettro elastico ridotta del fattore SLD per lo stato limite di danno, componente orizzontale (verticale Sve)
Ordinata spettro S (Tb-Tc)	Valore dell' ordinata dello spettro in uso nel tratto costante
numero di modi considerati	Numero di modi di vibrare della struttura considerati nell'analisi dinamica

Per ciascun caso di carico sismico viene riportato l'insieme di dati sotto riportati (le masse sono espresse in unità di forza):

- a) **analisi sismica statica equivalente:**
 - quota, posizione del centro di applicazione e azione orizzontale risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo), indici di regolarità e/r secondo EC8 4.2.3.2
 - azione sismica complessiva
- b) **analisi sismica dinamica con spettro di risposta:**
 - quota, posizione del centro di massa e massa risultante, posizione del baricentro delle rigidezze, rapporto r/L_s (per strutture a nucleo) , indici di regolarità e/r secondo EC8 4.2.3.2
 - frequenza, periodo, accelerazione spettrale, massa eccitata nelle tre direzioni globali per tutti i modi

- massa complessiva ed aliquota di massa complessiva eccitata.

Per ciascuna combinazione sismica definita SLD o SLO viene riportato il livello di deformazione ϵ_T (dr) degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso anche in unità $1000 \cdot \epsilon_T/h$ da confrontare direttamente con i valori forniti nella norma (es. 5 per edifici con tamponamenti collegati rigidamente alla struttura, 10.0 per edifici con tamponamenti collegati elasticamente, 3 per edifici in muratura ordinaria, 4 per edifici in muratura armata).

Qualora si applichi il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") l'analisi sismica dinamica può essere comprensiva di sollecitazione verticale contemporanea a quella orizzontale, nel qual caso è effettuata una sovrapposizione degli effetti in ragione della radice dei quadrati degli effetti stessi. Per ciascuna combinazione sismica - analisi effettuate con il D.M. 96 (vedi NOTA sul capitolo "normativa di riferimento") - viene riportato il livello di deformazione ϵ_T , ϵ_P e ϵ_D degli elementi strutturali verticali. Per semplicità di consultazione il livello è espresso in unità $1000 \cdot \epsilon_T/h$ da confrontare direttamente con il valore 2 o 4 per la verifica.

Per gli edifici sismicamente isolati si riportano di seguito le verifiche condotte sui dispositivi di isolamento. Le verifiche sono effettuate secondo la circolare n.7/2019 del C.S.LL.PP nelle combinazioni in SLC come previsto dal DM 17-01-2018. Per ogni combinazione è riportato il codice di verifica ed i valori utilizzati per la verifica: spostamento d_E , area ridotta e dimensione A_2 , azione verticale, deformazioni di taglio dell'elastomero e tensioni nell'acciaio.

Qualora si applichi l'Ordinanza 3274 e s.m.i. le verifiche sono eseguite in accordo con l'allegato 10.A.

In particolare la tabella, per ogni combinazione di calcolo, riporta:

Nodo	Nodo di appoggio dell' isolatore
Cmb	Combinazione oggetto della verifica
Verif.	Codice di verifica ok – verifica positiva , NV – verifica negativa, ND – verifica non completata
dE	Spostamento relativo tra le due facce (amplificato del 20% per Ordinanza 3274 e smi) combinato con la regola del 30%
Ang fi	Angolo utilizzato per il calcolo dell' area ridotta A_r (per dispositivi circolari)
V	Azione verticale agente
Ar	Area ridotta efficace
Dim A2	Dimensione utile per il calcolo della deformazione per rotazione
Sig s	Tensione nell' inserto in acciaio
Gam c(a,s,t)	Deformazioni di taglio dell' elastomero
Vcr	Carico critico per instabilità

Affinché la verifica sia positiva deve essere:

- 1) $V > 0$
- 2) $\text{Sig } s < f_{yk}$
- 3) $\text{Gam } t < 5$
- 4) $\text{Gam } s < \text{Gam}^*$ (caratteristica dell' elastomero)
- 5) $\text{Gam } s < 2$
- 6) $V < 0.5 V_{cr}$

CDC	Tipo	Sigla Id	Note
5	Esk	CDC=Es (statico SLU) $\alpha=0.0$ (ecc. +)	
			categoria suolo: D
			fattore di sito $S = 1.800$
			ordinata spettro (tratto T_b-T_c) = 0.259 g
			angolo di ingresso: 0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T_1 : 0.300 sec.
			fattore q : 1.000
			fattore per spost. μ_d : 1.000
			classe di duttilità CD: B
			coefficiente Λ : 1.000

CDC	Tipo	Sigla Id	Note
			ordinata spettro $S_d(T_1)$: 0.259

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
500.00	9426.87	9426.87	3.448e+04	420.00	575.00	0.0	-22.50	420.00	575.00	1.432	0.0	0.0
400.00	2642.00	1.207e+04	1.208e+04	430.60	599.50	0.0	-22.50	420.00	575.00	1.432	0.024	0.074
Risulta	1.207e+04		4.656e+04									

CDC	Tipo	Sigla Id	Note
6	Esk	CDC=Es (statico SLU) alfa=0.0 (ecc. -)	
			categoria suolo: D
			fattore di sito $S = 1.800$
			ordinata spettro (tratto T_b-T_c) = 0.259 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T_1 : 0.300 sec.
			fattore q : 1.000
			fattore per spost. μd : 1.000
			classe di duttilità CD: B
			coefficiente Λ : 1.000
			ordinata spettro $S_d(T_1)$: 0.259

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
500.00	9426.87	9426.87	3.448e+04	420.00	575.00	0.0	22.50	420.00	575.00	1.432	0.0	0.0
400.00	2642.00	1.207e+04	1.208e+04	430.60	599.50	0.0	22.50	420.00	575.00	1.432	0.024	0.074
Risulta	1.207e+04		4.656e+04									

CDC	Tipo	Sigla Id	Note
7	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. +)	
			categoria suolo: D
			fattore di sito $S = 1.800$
			ordinata spettro (tratto T_b-T_c) = 0.259 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T_1 : 0.300 sec.
			fattore q : 1.000
			fattore per spost. μd : 1.000
			classe di duttilità CD: B
			coefficiente Λ : 1.000
			ordinata spettro $S_d(T_1)$: 0.259

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
500.00	9426.87	9426.87	3.448e+04	420.00	575.00	42.00	0.0	420.00	575.00	1.432	0.0	0.0
400.00	2642.00	1.207e+04	1.208e+04	430.60	599.50	42.00	0.0	420.00	575.00	1.432	0.024	0.074
Risulta	1.207e+04		4.656e+04									

CDC	Tipo	Sigla Id	Note
8	Esk	CDC=Es (statico SLU) alfa=90.00 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.259 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.300 sec.
			fattore q: 1.000
			fattore per spost. mu d: 1.000
			classe di duttilità CD: B
			coefficiente Lambda: 1.000
			ordinata spettro Sd(T1): 0.259

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
500.00	9426.87	9426.87	3.448e+04	420.00	575.00	-42.00	0.0	420.00	575.00	1.432	0.0	0.0
400.00	2642.00	1.207e+04	1.208e+04	430.60	599.50	-42.00	0.0	420.00	575.00	1.432	0.024	0.074
Risulta	1.207e+04		4.656e+04									

CDC	Tipo	Sigla Id	Note
9	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. +)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.113 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.300 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.113

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
500.00	4107.56	4107.56	3.448e+04	420.00	575.00	0.0	-22.50	420.00	575.00	1.432	0.0	0.0
400.00	1151.19	5258.76	1.208e+04	430.60	599.50	0.0	-22.50	420.00	575.00	1.432	0.024	0.074
Risulta	5258.76		4.656e+04									

CDC	Tipo	Sigla Id	Note
10	Esk	CDC=Es (statico SLD) alfa=0.0 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.113 g
			angolo di ingresso:0.0
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.300 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.113

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
500.00	4107.56	4107.56	3.448e+04	420.00	575.00	0.0	22.50	420.00	575.00	1.432	0.0	0.0
400.00	1151.19	5258.76	1.208e+04	430.60	599.50	0.0	22.50	420.00	575.00	1.432	0.024	0.074
Risulta	5258.76		4.656e+04									

CDC	Tipo	Sigla Id	Note
11	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. +)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.113 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: positiva
			periodo proprio T1: 0.300 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.113

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
500.00	4107.56	4107.56	3.448e+04	420.00	575.00	42.00	0.0	420.00	575.00	1.432	0.0	0.0
400.00	1151.19	5258.76	1.208e+04	430.60	599.50	42.00	0.0	420.00	575.00	1.432	0.024	0.074
Risulta	5258.76		4.656e+04									

CDC	Tipo	Sigla Id	Note
12	Esk	CDC=Es (statico SLD) alfa=90.00 (ecc. -)	
			categoria suolo: D
			fattore di sito S = 1.800
			ordinata spettro (tratto Tb-Tc) = 0.113 g
			angolo di ingresso:90.00
			eccentricità aggiuntiva: negativa
			periodo proprio T1: 0.300 sec.
			coefficiente Lambda: 1.000
			ordinata spettro Se(T1): 0.113

Quota	Forza Sismica	Tot. parziale	M Sismica x g	Pos. GX	Pos. GY	E agg. X-X	E agg. Y-Y	Pos. KX	Pos. KY	(r/Ls)^2	rapp. ex/rx	rapp. ey/ry
cm	daN	daN	daN	cm	cm	cm	cm	cm	cm			
500.00	4107.56	4107.56	3.448e+04	420.00	575.00	-42.00	0.0	420.00	575.00	1.432	0.0	0.0
400.00	1151.19	5258.76	1.208e+04	430.60	599.50	-42.00	0.0	420.00	575.00	1.432	0.024	0.074
Risulta	5258.76		4.656e+04									

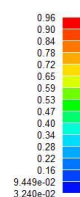
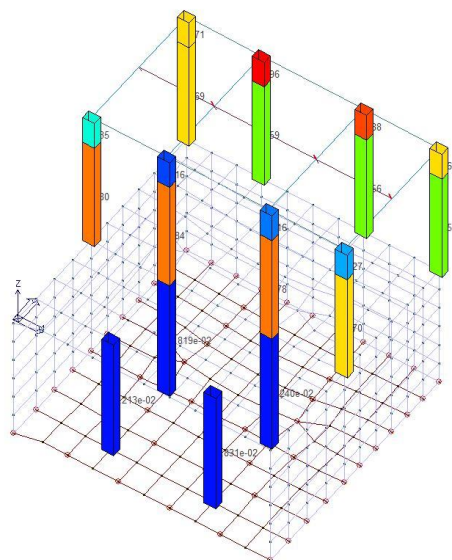
Cmb	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT	inter. h	Pilas. 1000 etaT/h	etaT	inter. h
		cm	cm		cm	cm		cm	cm
45	3	0.47	400.0	4	0.48	400.0	6	0.65	400.0
	8	0.63	400.0	11	0.46	400.0	14	0.57	400.0
	15	0.53	100.0	17	0.57	100.0	18	0.07	450.0
	19	0.06	450.0	20	0.08	450.0	21	0.06	450.0
	23	0.56	100.0	24	0.52	100.0	25	0.76	100.0
	26	0.77	100.0	33	0.50	400.0	34	0.64	400.0
	35	0.55	100.0	36	0.68	100.0			
46	3	0.56	400.0	4	0.52	400.0	6	0.52	400.0
	8	0.53	400.0	11	0.51	400.0	14	0.53	400.0
	15	0.60	100.0	17	0.50	100.0	18	0.07	450.0
	19	0.07	450.0	20	0.08	450.0	21	0.06	450.0
	23	0.71	100.0	24	0.65	100.0	25	0.59	100.0
	26	0.60	100.0	33	0.48	400.0	34	0.51	400.0
	35	0.59	100.0	36	0.55	100.0			
47	3	0.50	400.0	4	0.50	400.0	6	0.61	400.0
	8	0.63	400.0	11	0.51	400.0	14	0.58	400.0
	15	0.53	100.0	17	0.67	100.0	18	0.09	450.0
	19	0.07	450.0	20	0.09	450.0	21	0.07	450.0

48	23	0.52	0.05	100.0	24	0.51	0.05	100.0	25	0.82	0.08	100.0
	26	0.75	0.07	100.0	33	0.50	0.20	400.0	34	0.57	0.23	400.0
	35	0.50	0.05	100.0	36	0.63	0.06	100.0				
	3	0.53	0.21	400.0	4	0.55	0.22	400.0	6	0.54	0.22	400.0
	8	0.54	0.22	400.0	11	0.47	0.19	400.0	14	0.52	0.21	400.0
49	15	0.60	0.06	100.0	17	0.55	0.06	100.0	18	0.09	0.04	450.0
	19	0.08	0.03	450.0	20	0.09	0.04	450.0	21	0.08	0.04	450.0
	23	0.69	0.07	100.0	24	0.68	0.07	100.0	25	0.64	0.06	100.0
	26	0.56	0.06	100.0	33	0.53	0.21	400.0	34	0.54	0.22	400.0
	35	0.62	0.06	100.0	36	0.50	0.05	100.0				
50	3	0.49	0.19	400.0	4	0.49	0.19	400.0	6	0.63	0.25	400.0
	8	0.63	0.25	400.0	11	0.48	0.19	400.0	14	0.57	0.23	400.0
	15	0.51	0.05	100.0	17	0.59	0.06	100.0	18	0.07	0.03	450.0
	19	0.06	0.03	450.0	20	0.07	0.03	450.0	21	0.06	0.03	450.0
	23	0.54	0.05	100.0	24	0.51	0.05	100.0	25	0.77	0.08	100.0
51	26	0.77	0.08	100.0	33	0.50	0.20	400.0	34	0.61	0.24	400.0
	35	0.53	0.05	100.0	36	0.68	0.07	100.0				
	3	0.55	0.22	400.0	4	0.50	0.20	400.0	6	0.54	0.22	400.0
	8	0.55	0.22	400.0	11	0.52	0.21	400.0	14	0.55	0.22	400.0
	15	0.63	0.06	100.0	17	0.48	0.05	100.0	18	0.08	0.03	450.0
52	19	0.07	0.03	450.0	20	0.08	0.04	450.0	21	0.07	0.03	450.0
	23	0.72	0.07	100.0	24	0.66	0.07	100.0	25	0.58	0.06	100.0
	26	0.59	0.06	100.0	33	0.45	0.18	400.0	34	0.52	0.21	400.0
	35	0.60	0.06	100.0	36	0.54	0.05	100.0				
	3	0.49	0.20	400.0	4	0.49	0.20	400.0	6	0.62	0.25	400.0
53	8	0.66	0.26	400.0	11	0.51	0.20	400.0	14	0.62	0.25	400.0
	15	0.55	0.05	100.0	17	0.67	0.07	100.0	18	0.09	0.04	450.0
	19	0.07	0.03	450.0	20	0.09	0.04	450.0	21	0.07	0.03	450.0
	23	0.53	0.05	100.0	24	0.53	0.05	100.0	25	0.82	0.08	100.0
	26	0.73	0.07	100.0	33	0.48	0.19	400.0	34	0.57	0.23	400.0
54	35	0.52	0.05	100.0	36	0.61	0.06	100.0				
	3	0.55	0.22	400.0	4	0.56	0.22	400.0	6	0.52	0.21	400.0
	8	0.52	0.21	400.0	11	0.49	0.20	400.0	14	0.50	0.20	400.0
	15	0.60	0.06	100.0	17	0.56	0.06	100.0	18	0.09	0.04	450.0
	19	0.07	0.03	450.0	20	0.09	0.04	450.0	21	0.08	0.04	450.0
55	23	0.68	0.07	100.0	24	0.67	0.07	100.0	25	0.64	0.06	100.0
	26	0.57	0.06	100.0	33	0.53	0.21	400.0	34	0.52	0.21	400.0
	35	0.60	0.06	100.0	36	0.52	0.05	100.0				
	3	0.50	0.20	400.0	4	0.49	0.20	400.0	6	0.61	0.25	400.0
	8	0.62	0.25	400.0	11	0.50	0.20	400.0	14	0.56	0.23	400.0
56	15	0.50	0.05	100.0	17	0.61	0.06	100.0	18	0.07	0.03	450.0
	19	0.06	0.03	450.0	20	0.07	0.03	450.0	21	0.06	0.03	450.0
	23	0.53	0.05	100.0	24	0.50	0.05	100.0	25	0.78	0.08	100.0
	26	0.77	0.08	100.0	33	0.50	0.20	400.0	34	0.58	0.23	400.0
	35	0.52	0.05	100.0	36	0.67	0.07	100.0				
57	3	0.57	0.23	400.0	4	0.56	0.22	400.0	6	0.49	0.20	400.0
	8	0.49	0.20	400.0	11	0.51	0.21	400.0	14	0.48	0.19	400.0
	15	0.56	0.06	100.0	17	0.53	0.05	100.0	18	0.07	0.03	450.0
	19	0.07	0.03	450.0	20	0.07	0.03	450.0	21	0.06	0.03	450.0
	23	0.68	0.07	100.0	24	0.65	0.06	100.0	25	0.62	0.06	100.0
58	26	0.60	0.06	100.0	33	0.52	0.21	400.0	34	0.48	0.19	400.0
	35	0.59	0.06	100.0	36	0.56	0.06	100.0				
	3	0.52	0.21	400.0	4	0.54	0.21	400.0	6	0.60	0.24	400.0
	8	0.59	0.24	400.0	11	0.51	0.20	400.0	14	0.53	0.21	400.0
	15	0.51	0.05	100.0	17	0.66	0.07	100.0	18	0.08	0.04	450.0
59	19	0.07	0.03	450.0	20	0.08	0.04	450.0	21	0.07	0.03	450.0
	23	0.51	0.05	100.0	24	0.48	0.05	100.0	25	0.82	0.08	100.0
	26	0.77	0.08	100.0	33	0.55	0.22	400.0	34	0.57	0.23	400.0
	35	0.47	0.05	100.0	36	0.67	0.07	100.0				
	3	0.57	0.23	400.0	4	0.56	0.22	400.0	6	0.50	0.20	400.0
60	8	0.51	0.20	400.0	11	0.51	0.20	400.0	14	0.49	0.20	400.0
	15	0.60	0.06	100.0	17	0.56	0.06	100.0	18	0.09	0.04	450.0
	19	0.07	0.03	450.0	20	0.09	0.04	450.0	21	0.08	0.04	450.0
	23	0.68	0.07	100.0	24	0.65	0.07	100.0	25	0.64	0.06	100.0
	26	0.58	0.06	100.0	33	0.53	0.21	400.0	34	0.50	0.20	400.0
61	35	0.58	0.06	100.0	36	0.53	0.05	100.0				
	3	0.52	0.21	400.0	4	0.51	0.20	400.0	6	0.59	0.24	400.0
	8	0.61	0.24	400.0	11	0.52	0.21	400.0	14	0.56	0.23	400.0
	15	0.48	0.05	100.0	17	0.63	0.06	100.0	18	0.07	0.03	450.0
	19	0.06	0.03	450.0	20	0.07	0.03	450.0	21	0.06	0.03	450.0
62	23	0.51	0.05	100.0	24	0.49	0.05	100.0	25	0.80	0.08	100.0
	26	0.78	0.08	100.0	33	0.50	0.20	400.0	34	0.55	0.22	400.0
	35	0.51	0.05	100.0	36	0.67	0.07	100.0				
	3	0.56	0.23	400.0	4	0.54	0.21	400.0	6	0.51	0.20	400.0
	8	0.51	0.21	400.0	11	0.51	0.21	400.0	14	0.51	0.20	400.0
63	15	0.59	0.06	100.0	17	0.51	0.05	100.0	18	0.07	0.03	450.0
	19	0.07	0.03	450.0	20	0.08	0.03	450.0	21	0.06	0.03	450.0

59	23	0.69	0.07	100.0	24	0.65	0.07	100.0	25	0.60	0.06	100.0
	26	0.60	0.06	100.0	33	0.50	0.20	400.0	34	0.49	0.20	400.0
	35	0.59	0.06	100.0	36	0.55	0.05	100.0				
	3	0.51	0.20	400.0	4	0.52	0.21	400.0	6	0.61	0.24	400.0
	8	0.61	0.25	400.0	11	0.51	0.20	400.0	14	0.56	0.22	400.0
60	15	0.52	0.05	100.0	17	0.66	0.07	100.0	18	0.09	0.04	450.0
	19	0.07	0.03	450.0	20	0.08	0.04	450.0	21	0.07	0.03	450.0
	23	0.52	0.05	100.0	24	0.50	0.05	100.0	25	0.82	0.08	100.0
	26	0.76	0.08	100.0	33	0.52	0.21	400.0	34	0.57	0.23	400.0
	35	0.49	0.05	100.0	36	0.65	0.06	100.0				
61	3	0.59	0.23	400.0	4	0.57	0.23	400.0	6	0.49	0.19	400.0
	8	0.49	0.20	400.0	11	0.54	0.21	400.0	14	0.48	0.19	400.0
	15	0.59	0.06	100.0	17	0.57	0.06	100.0	18	0.09	0.04	450.0
	19	0.07	0.03	450.0	20	0.08	0.04	450.0	21	0.08	0.03	450.0
	23	0.68	0.07	100.0	24	0.64	0.06	100.0	25	0.65	0.06	100.0
62	26	0.60	0.06	100.0	33	0.53	0.21	400.0	34	0.48	0.19	400.0
	35	0.55	0.06	100.0	36	0.55	0.05	100.0				
	3	0.53	0.21	400.0	4	0.61	0.24	400.0	6	0.83	0.33	400.0
	8	0.79	0.32	400.0	11	0.55	0.22	400.0	14	0.67	0.27	400.0
	15	0.26	0.03	100.0	17	0.61	0.06	100.0	18	0.03	0.01	450.0
63	19	0.03	0.01	450.0	20	0.03	0.01	450.0	21	0.03	0.01	450.0
	23	0.17	0.02	100.0	24	0.18	0.02	100.0	25	0.92	0.09	100.0
	26	0.92	0.09	100.0	33	0.71	0.28	400.0	34	0.83	0.33	400.0
	35	0.36	0.04	100.0	36	0.76	0.08	100.0				
	3	0.72	0.29	400.0	4	0.73	0.29	400.0	6	0.51	0.20	400.0
64	8	0.48	0.19	400.0	11	0.62	0.25	400.0	14	0.51	0.20	400.0
	15	0.59	0.06	100.0	17	0.22	0.02	100.0	18	0.05	0.02	450.0
	19	0.05	0.02	450.0	20	0.05	0.02	450.0	21	0.05	0.02	450.0
	23	0.81	0.08	100.0	24	0.78	0.08	100.0	25	0.22	0.02	100.0
	26	0.18	0.02	100.0	33	0.69	0.28	400.0	34	0.56	0.23	400.0
65	35	0.64	0.06	100.0	36	0.22	0.02	100.0				
	3	0.56	0.22	400.0	4	0.62	0.25	400.0	6	0.81	0.32	400.0
	8	0.78	0.31	400.0	11	0.60	0.24	400.0	14	0.68	0.27	400.0
	15	0.26	0.03	100.0	17	0.66	0.07	100.0	18	0.03	0.01	450.0
	19	0.03	0.02	450.0	20	0.04	0.02	450.0	21	0.03	0.01	450.0
66	23	0.11	0.01	100.0	24	0.12	0.01	100.0	25	0.95	0.09	100.0
	26	0.91	0.09	100.0	33	0.69	0.28	400.0	34	0.79	0.32	400.0
	35	0.30	0.03	100.0	36	0.74	0.07	100.0				
	3	0.70	0.28	400.0	4	0.73	0.29	400.0	6	0.54	0.22	400.0
	8	0.49	0.19	400.0	11	0.58	0.23	400.0	14	0.50	0.20	400.0
67	15	0.59	0.06	100.0	17	0.21	0.02	100.0	18	0.07	0.03	450.0
	19	0.06	0.02	450.0	20	0.06	0.03	450.0	21	0.06	0.03	450.0
	23	0.81	0.08	100.0	24	0.80	0.08	100.0	25	0.23	0.02	100.0
	26	0.13	0.01	100.0	33	0.71	0.29	400.0	34	0.61	0.24	400.0
	35	0.67	0.07	100.0	36	0.19	0.02	100.0				
68	3	0.54	0.22	400.0	4	0.60	0.24	400.0	6	0.83	0.33	400.0
	8	0.79	0.32	400.0	11	0.57	0.23	400.0	14	0.69	0.27	400.0
	15	0.27	0.03	100.0	17	0.62	0.06	100.0	18	0.03	0.01	450.0
	19	0.03	0.01	450.0	20	0.03	0.01	450.0	21	0.03	0.01	450.0
	23	0.16	0.02	100.0	24	0.18	0.02	100.0	25	0.93	0.09	100.0
69	26	0.92	0.09	100.0	33	0.69	0.28	400.0	34	0.81	0.32	400.0
	35	0.35	0.04	100.0	36	0.75	0.07	100.0				
	3	0.72	0.29	400.0	4	0.73	0.29	400.0	6	0.52	0.21	400.0
	8	0.47	0.19	400.0	11	0.60	0.24	400.0	14	0.49	0.20	400.0
	15	0.58	0.06	100.0	17	0.22	0.02	100.0	18	0.05	0.02	450.0
70	19	0.05	0.02	450.0	20	0.05	0.02	450.0	21	0.05	0.02	450.0
	23	0.81	0.08	100.0	24	0.78	0.08	100.0	25	0.23	0.02	100.0
	26	0.18	0.02	100.0	33	0.71	0.28	400.0	34	0.58	0.23	400.0
	35	0.65	0.06	100.0	36	0.23	0.02	100.0				
	3	0.56	0.22	400.0	4	0.63	0.25	400.0	6	0.81	0.33	400.0
71	8	0.78	0.31	400.0	11	0.58	0.23	400.0	14	0.67	0.27	400.0
	15	0.25	0.03	100.0	17	0.65	0.06	100.0	18	0.03	0.01	450.0
	19	0.03	0.01	450.0	20	0.03	0.02	450.0	21	0.03	0.01	450.0
	23	0.11	0.01	100.0	24	0.12	0.01	100.0	25	0.94	0.09	100.0
	26	0.92	0.09	100.0	33	0.71	0.28	400.0	34	0.81	0.32	400.0
72	35	0.31	0.03	100.0	36	0.75	0.08	100.0				
	3	0.71	0.28	400.0	4	0.73	0.29	400.0	6	0.53	0.21	400.0
	8	0.49	0.20	400.0	11	0.60	0.24	400.0	14	0.51	0.20	400.0
	15	0.60	0.06	100.0	17	0.23	0.02	100.0	18	0.06	0.03	450.0
	19	0.05	0.02	450.0	20	0.06	0.03	450.0	21	0.06	0.03	450.0
73	23	0.81	0.08	100.0	24	0.79	0.08	100.0	25	0.23	0.02	100.0
	26	0.14	0.01	100.0	33	0.70	0.28	400.0	34	0.59	0.24	400.0
	35	0.65	0.07	100.0	36	0.19	0.02	100.0				
	3	0.59	0.24	400.0	4	0.58	0.23	400.0	6	0.78	0.31	400.0
	8	0.82	0.33	400.0	11	0.67	0.27	400.0	14	0.76	0.30	400.0
74	15	0.29	0.03	100.0	17	0.69	0.07	100.0	18	0.03	0.01	450.0
	19	0.02	0.01	450.0	20	0.03	0.01	450.0	21	0.03	0.01	450.0

70	23	0.11	0.01	100.0	24	0.13	0.01	100.0	25	0.95	0.10	100.0
	26	0.90	0.09	100.0	33	0.61	0.24	400.0	34	0.71	0.29	400.0
	35	0.28	0.03	100.0	36	0.71	0.07	100.0				
	3	0.76	0.30	400.0	4	0.67	0.27	400.0	6	0.49	0.20	400.0
	8	0.54	0.22	400.0	11	0.71	0.28	400.0	14	0.63	0.25	400.0
	15	0.67	0.07	100.0	17	0.26	0.03	100.0	18	0.05	0.02	450.0
71	19	0.06	0.02	450.0	20	0.06	0.03	450.0	21	0.05	0.02	450.0
	23	0.85	0.08	100.0	24	0.76	0.08	100.0	25	0.18	0.02	100.0
	26	0.16	0.02	100.0	33	0.57	0.23	400.0	34	0.48	0.19	400.0
	35	0.59	0.06	100.0	36	0.15	0.01	100.0				
	3	0.59	0.24	400.0	4	0.56	0.22	400.0	6	0.78	0.31	400.0
	8	0.84	0.34	400.0	11	0.69	0.28	400.0	14	0.80	0.32	400.0
72	15	0.35	0.03	100.0	17	0.71	0.07	100.0	18	0.04	0.02	450.0
	19	0.04	0.02	450.0	20	0.04	0.02	450.0	21	0.03	0.01	450.0
	23	0.16	0.02	100.0	24	0.16	0.02	100.0	25	0.96	0.10	100.0
	26	0.88	0.09	100.0	33	0.58	0.23	400.0	34	0.70	0.28	400.0
	35	0.27	0.03	100.0	36	0.67	0.07	100.0				
	3	0.76	0.30	400.0	4	0.70	0.28	400.0	6	0.48	0.19	400.0
73	8	0.51	0.20	400.0	11	0.69	0.28	400.0	14	0.58	0.23	400.0
	15	0.64	0.06	100.0	17	0.29	0.03	100.0	18	0.06	0.03	450.0
	19	0.05	0.02	450.0	20	0.06	0.03	450.0	21	0.06	0.03	450.0
	23	0.83	0.08	100.0	24	0.76	0.08	100.0	25	0.23	0.02	100.0
	26	0.18	0.02	100.0	33	0.62	0.25	400.0	34	0.49	0.20	400.0
	35	0.59	0.06	100.0	36	0.19	0.02	100.0				
74	3	0.60	0.24	400.0	4	0.57	0.23	400.0	6	0.77	0.31	400.0
	8	0.82	0.33	400.0	11	0.69	0.27	400.0	14	0.78	0.31	400.0
	15	0.30	0.03	100.0	17	0.70	0.07	100.0	18	0.03	0.01	450.0
	19	0.02	0.01	450.0	20	0.02	0.01	450.0	21	0.03	0.01	450.0
	23	0.11	0.01	100.0	24	0.12	0.01	100.0	25	0.96	0.10	100.0
	26	0.90	0.09	100.0	33	0.60	0.24	400.0	34	0.70	0.28	400.0
75	35	0.26	0.03	100.0	36	0.70	0.07	100.0				
	3	0.75	0.30	400.0	4	0.68	0.27	400.0	6	0.49	0.20	400.0
	8	0.53	0.21	400.0	11	0.70	0.28	400.0	14	0.61	0.24	400.0
	15	0.65	0.07	100.0	17	0.25	0.02	100.0	18	0.05	0.02	450.0
	19	0.05	0.02	450.0	20	0.06	0.03	450.0	21	0.05	0.02	450.0
	23	0.84	0.08	100.0	24	0.77	0.08	100.0	25	0.18	0.02	100.0
76	26	0.16	0.02	100.0	33	0.59	0.24	400.0	34	0.49	0.20	400.0
	35	0.59	0.06	100.0	36	0.16	0.02	100.0				
	3	0.59	0.23	400.0	4	0.57	0.23	400.0	6	0.78	0.31	400.0
	8	0.83	0.33	400.0	11	0.67	0.27	400.0	14	0.78	0.31	400.0
	15	0.34	0.03	100.0	17	0.70	0.07	100.0	18	0.04	0.02	450.0
	19	0.04	0.02	450.0	20	0.04	0.02	450.0	21	0.03	0.01	450.0
77	23	0.15	0.01	100.0	24	0.15	0.02	100.0	25	0.96	0.10	100.0
	26	0.89	0.09	100.0	33	0.60	0.24	400.0	34	0.71	0.28	400.0
	35	0.27	0.03	100.0	36	0.68	0.07	100.0				
	3	0.76	0.31	400.0	4	0.69	0.28	400.0	6	0.47	0.19	400.0
	8	0.51	0.21	400.0	11	0.71	0.28	400.0	14	0.60	0.24	400.0
	15	0.65	0.06	100.0	17	0.31	0.03	100.0	18	0.06	0.03	450.0
78	19	0.05	0.02	450.0	20	0.06	0.02	450.0	21	0.06	0.03	450.0
	23	0.83	0.08	100.0	24	0.76	0.08	100.0	25	0.24	0.02	100.0
	26	0.19	0.02	100.0	33	0.60	0.24	400.0	34	0.47	0.19	400.0
	35	0.57	0.06	100.0	36	0.19	0.02	100.0				

Cmb **1000 etaT/h**
0.96



idrovoracompleto3bis

31_RIS_SLE_071_Comb. SLE (SLD Danno sism.) 71

RISULTATI NODALI

LEGENDA RISULTATI NODALI

Il controllo dei risultati delle analisi condotte, per quanto concerne i nodi strutturali, è possibile in relazione alle tabelle sottoriportate.

Una prima tabella riporta infatti per ogni nodo e per ogni combinazione (o caso di carico) gli spostamenti nodali.

Una seconda tabella riporta per ogni nodo a cui sia associato un vincolo rigido e/o elastico o una fondazione speciale e per ogni combinazione (o caso di carico) i valori delle azioni esercitate dalla struttura sui vincoli (reazioni vincolari cambiate di segno).

Una terza tabella, infine riassume per ogni nodo le sei combinazioni in cui si attingono i valori minimi e massimi della reazione Fz, della reazione Mx e della reazione My.

Nodo	Cmb	Traslazione X cm	Traslazione Y cm	Traslazione Z cm	Rotazione X	Rotazione Y	Rotazione Z
1	3	-3.44e-05	0.04	-0.12	-3.43e-05	1.39e-04	1.48e-06
1	4	4.68e-03	0.01	-0.18	-1.62e-05	2.18e-04	5.38e-06
1	8	4.68e-03	5.61e-03	-0.15	-9.06e-06	1.86e-04	5.05e-06
1	16	11.27	5.83	-0.10	7.36e-06	5.14e-04	-5.47e-03
1	25	-10.91	-7.40	-0.15	-2.64e-05	-1.89e-04	9.27e-03
1	44	3.10	13.74	-0.11	-9.19e-05	2.33e-04	-4.73e-03
1	48	4.91	2.55	-0.11	-3.95e-06	3.06e-04	-2.38e-03
1	57	-4.75	-3.22	-0.13	-1.87e-05	0.0	4.04e-03
1	76	1.35	5.99	-0.12	-4.72e-05	1.84e-04	-2.06e-03
1	79	-3.60e-05	0.03	-0.09	-2.23e-05	1.03e-04	1.05e-06
1	80	2.48e-03	0.01	-0.12	-1.27e-05	1.46e-04	3.13e-06
1	83	-2.89e-05	0.03	-0.09	-2.54e-05	1.06e-04	1.11e-06
1	84	3.11e-03	0.01	-0.13	-1.33e-05	1.59e-04	3.72e-06
2	3	-7.62e-05	0.04	-0.12	-5.02e-04	5.73e-05	2.94e-06
2	4	1.98e-03	-0.01	-0.19	-4.74e-04	9.42e-05	-1.63e-05
2	8	2.00e-03	-0.02	-0.16	-3.70e-04	8.17e-05	-1.70e-05
2	16	11.87	5.95	-0.10	-3.71e-04	1.09e-03	-5.32e-03
2	25	-11.46	-7.64	-0.15	-1.87e-04	-9.05e-04	9.31e-03
2	41	-3.23	-14.46	-0.15	1.79e-04	-1.95e-04	4.84e-03
2	48	5.17	2.59	-0.12	-3.36e-04	5.11e-04	-2.32e-03
2	57	-4.99	-3.33	-0.14	-2.56e-04	-3.61e-04	4.05e-03
2	73	-1.41	-6.30	-0.14	-9.63e-05	-5.11e-05	2.11e-03
2	79	-6.84e-05	0.02	-0.09	-3.23e-04	4.03e-05	2.18e-06
2	80	1.03e-03	-5.01e-03	-0.13	-3.09e-04	5.99e-05	-8.09e-06
2	83	-6.10e-05	0.03	-0.10	-3.70e-04	4.32e-05	2.24e-06
2	84	1.31e-03	-7.26e-03	-0.14	-3.52e-04	6.77e-05	-1.06e-05
3	3	-5.09e-04	0.04	-0.13	-3.93e-05	4.53e-06	-1.02e-06
3	4	2.50e-03	0.01	-0.19	-1.92e-05	1.40e-05	1.81e-06
3	8	2.62e-03	5.98e-03	-0.16	-1.11e-05	1.29e-05	1.99e-06
3	18	-13.76	1.20	-0.18	-1.04e-04	-1.22e-04	5.55e-03
3	23	15.11	0.41	-0.08	6.73e-05	1.36e-04	-9.34e-03
3	44	5.22	13.74	-0.14	-1.11e-04	3.55e-05	-4.73e-03
3	50	-5.99	0.53	-0.15	-5.32e-05	-4.83e-05	2.42e-03
3	55	6.59	0.19	-0.11	2.14e-05	6.43e-05	-4.07e-03
3	76	2.28	5.99	-0.14	-5.63e-05	2.04e-05	-2.06e-03
3	79	-4.07e-04	0.03	-0.10	-2.47e-05	3.64e-06	0.0
3	80	1.20e-03	0.01	-0.13	-1.40e-05	8.68e-06	1.03e-06
3	83	-3.95e-04	0.03	-0.10	-2.89e-05	3.52e-06	0.0
3	84	1.61e-03	0.01	-0.14	-1.55e-05	9.82e-06	1.18e-06
4	3	-1.36e-03	0.04	-0.14	4.67e-04	3.52e-05	2.30e-06
4	4	9.84e-03	-0.01	-0.19	5.02e-04	5.90e-05	-1.74e-05
4	6	0.01	-0.03	-0.16	3.16e-04	4.74e-05	-1.79e-05
4	18	-14.28	1.46	-0.19	1.13e-04	-9.53e-04	5.38e-03
4	23	15.69	0.22	-0.08	4.75e-04	1.09e-03	-9.41e-03
4	41	-5.41	-14.46	-0.11	8.05e-04	-3.10e-04	4.84e-03
4	50	-6.22	0.63	-0.16	2.32e-04	-3.94e-04	2.34e-03
4	55	6.84	0.09	-0.11	3.89e-04	4.95e-04	-4.10e-03
4	73	-2.35	-6.30	-0.12	5.33e-04	-1.14e-04	2.11e-03

4	78	4.93e-03	-7.07e-03	-0.13	3.05e-04	3.65e-05	-8.69e-06
4	79	-1.04e-03	0.02	-0.10	3.04e-04	2.46e-05	1.80e-06
4	80	4.93e-03	-5.15e-03	-0.13	3.23e-04	3.73e-05	-8.70e-06
4	82	6.43e-03	-0.01	-0.14	3.10e-04	3.97e-05	-1.13e-05
4	83	-1.05e-03	0.03	-0.11	3.46e-04	2.65e-05	1.78e-06
4	84	6.42e-03	-7.42e-03	-0.14	3.69e-04	4.24e-05	-1.13e-05
5	3	-6.28e-04	0.04	-0.14	1.37e-04	4.48e-06	0.0
5	4	2.18e-03	0.02	-0.19	2.03e-04	1.12e-05	4.23e-06
5	8	2.33e-03	6.77e-03	-0.16	1.68e-04	1.02e-05	4.04e-06
5	23	15.11	-1.92	-0.11	2.67e-04	1.14e-04	-9.34e-03
5	38	-3.43	11.80	-0.16	-1.79e-04	-3.01e-05	-2.81e-04
5	44	5.22	12.56	-0.15	-1.65e-04	3.52e-05	-4.73e-03
5	55	6.59	-0.83	-0.12	2.04e-04	5.37e-05	-4.07e-03
5	70	-1.49	5.15	-0.15	1.00e-05	-9.22e-06	-1.21e-04
5	76	2.28	5.48	-0.14	1.62e-05	1.92e-05	-2.06e-03
5	79	-4.94e-04	0.03	-0.10	1.21e-04	3.31e-06	0.0
5	80	1.01e-03	0.01	-0.13	1.56e-04	6.89e-06	2.49e-06
5	83	-4.86e-04	0.03	-0.10	1.09e-04	3.41e-06	0.0
5	84	1.39e-03	0.01	-0.14	1.53e-04	7.89e-06	2.91e-06
6	3	-2.94e-03	0.11	-0.15	3.58e-04	6.30e-06	2.00e-06
6	4	6.44e-03	0.07	-0.21	6.14e-04	2.58e-05	-1.32e-05
6	6	7.31e-03	0.02	-0.17	4.47e-04	2.35e-05	-1.37e-05
6	23	15.58	-2.05	-0.12	7.23e-04	1.29e-03	-9.33e-03
6	38	-3.54	12.44	-0.17	-9.91e-04	-2.86e-04	-4.33e-04
6	44	5.38	13.20	-0.16	-9.78e-04	4.49e-04	-4.82e-03
6	55	6.79	-0.87	-0.13	5.14e-04	5.70e-04	-4.07e-03
6	70	-1.54	5.45	-0.15	-2.33e-04	-1.16e-04	-1.92e-04
6	76	2.35	5.78	-0.15	-2.27e-04	2.04e-04	-2.10e-03
6	78	2.92e-03	0.04	-0.14	3.34e-04	1.44e-05	-6.57e-06
6	79	-2.12e-03	0.07	-0.11	2.16e-04	4.23e-06	1.55e-06
6	80	2.88e-03	0.05	-0.14	3.53e-04	1.46e-05	-6.58e-06
6	82	4.17e-03	0.04	-0.15	3.68e-04	1.70e-05	-8.61e-06
6	83	-2.23e-03	0.08	-0.11	2.60e-04	4.70e-06	1.54e-06
6	84	4.03e-03	0.06	-0.15	4.31e-04	1.77e-05	-8.62e-06
7	3	-1.17e-03	0.04	-0.14	1.36e-04	-4.96e-06	2.61e-06
7	4	1.09e-03	0.02	-0.19	2.24e-04	-3.18e-06	8.37e-06
7	6	1.39e-03	2.10e-03	-0.16	2.16e-04	-1.84e-06	7.67e-06
7	23	15.11	-5.10	-0.14	2.46e-04	1.03e-04	-9.34e-03
7	32	3.34	11.85	-0.16	-1.65e-04	3.49e-05	5.41e-04
7	34	-5.31	12.60	-0.15	-1.50e-04	-3.02e-05	4.99e-03
7	55	6.58	-2.21	-0.13	2.02e-04	4.34e-05	-4.07e-03
7	64	1.46	5.17	-0.15	2.28e-05	1.37e-05	2.38e-04
7	66	-2.31	5.50	-0.14	2.91e-05	-1.47e-05	2.18e-03
7	79	-8.82e-04	0.03	-0.10	1.21e-04	-3.68e-06	1.94e-06
7	80	3.24e-04	0.01	-0.13	1.68e-04	-2.73e-06	5.01e-06
7	83	-8.94e-04	0.03	-0.10	1.09e-04	-3.78e-06	1.99e-06
7	84	6.13e-04	0.01	-0.14	1.68e-04	-2.59e-06	5.83e-06
8	3	3.78e-04	0.11	-0.15	3.57e-04	-8.45e-06	2.43e-06
8	4	0.01	0.06	-0.20	4.36e-04	1.10e-05	-1.26e-05
8	23	15.58	-5.25	-0.14	6.70e-04	1.31e-03	-9.39e-03
8	32	3.45	12.48	-0.17	-1.12e-03	3.06e-04	6.67e-04
8	34	-5.47	13.23	-0.16	-1.11e-03	-4.44e-04	5.09e-03
8	55	6.79	-2.27	-0.14	4.37e-04	5.71e-04	-4.10e-03
8	64	1.51	5.46	-0.15	-3.43e-04	1.36e-04	2.87e-04
8	66	-2.38	5.79	-0.15	-3.38e-04	-1.91e-04	2.21e-03
8	79	1.64e-04	0.07	-0.11	2.16e-04	-5.87e-06	1.82e-06
8	80	5.36e-03	0.04	-0.14	2.58e-04	4.48e-06	-6.19e-06
8	83	2.59e-04	0.08	-0.11	2.60e-04	-6.34e-06	1.85e-06
8	84	6.76e-03	0.04	-0.15	3.13e-04	6.59e-06	-8.16e-06
9	3	-1.28e-03	0.04	-0.13	-4.21e-05	-5.01e-06	4.33e-06
9	4	9.87e-04	0.02	-0.19	-3.52e-05	0.0	1.05e-05
9	6	1.31e-03	4.35e-03	-0.16	-1.75e-05	0.0	8.99e-06
9	16	13.73	1.24	-0.18	-1.14e-04	1.30e-04	-5.47e-03
9	23	15.11	-7.43	-0.16	-4.03e-05	1.21e-04	-9.34e-03
9	34	-5.31	13.85	-0.15	-1.22e-04	-2.78e-05	4.99e-03
9	48	5.98	0.55	-0.15	-6.29e-05	5.59e-05	-2.38e-03
9	55	6.58	-3.23	-0.14	-3.06e-05	5.21e-05	-4.07e-03
9	66	-2.31	6.04	-0.14	-6.62e-05	-1.29e-05	2.18e-03
9	79	-9.65e-04	0.03	-0.10	-2.69e-05	-4.01e-06	3.00e-06
9	80	2.45e-04	0.02	-0.13	-2.32e-05	-1.45e-06	6.27e-06
9	83	-9.81e-04	0.03	-0.10	-3.10e-05	-3.89e-06	3.25e-06
9	84	5.32e-04	0.02	-0.14	-2.64e-05	0.0	7.34e-06
10	4	9.87e-03	-0.03	-0.20	5.47e-04	-2.38e-05	-1.79e-05
10	6	0.01	-0.05	-0.16	3.62e-04	-1.17e-05	-1.85e-05
10	16	14.26	1.48	-0.19	1.45e-04	9.36e-04	-5.31e-03
10	23	15.69	-7.68	-0.17	4.59e-04	9.91e-04	-9.39e-03
10	35	5.51	-14.58	-0.12	8.00e-04	3.20e-04	-5.12e-03

10	48	6.22	0.64	-0.16	2.59e-04	3.97e-04	-2.32e-03
10	55	6.84	-3.36	-0.15	3.96e-04	4.21e-04	-4.10e-03
10	67	2.40	-6.36	-0.13	5.44e-04	1.29e-04	-2.24e-03
10	78	4.94e-03	-0.01	-0.13	3.29e-04	-1.81e-05	-9.06e-06
10	79	-1.06e-03	0.02	-0.10	3.03e-04	-2.60e-05	1.75e-06
10	80	4.94e-03	-0.01	-0.14	3.47e-04	-1.89e-05	-9.04e-06
10	82	6.44e-03	-0.02	-0.14	3.40e-04	-1.64e-05	-1.18e-05
10	83	-1.06e-03	0.03	-0.11	3.44e-04	-2.79e-05	1.80e-06
10	84	6.44e-03	-0.02	-0.15	3.99e-04	-1.90e-05	-1.17e-05
11	3	-2.03e-04	0.04	-0.16	-5.41e-05	-1.56e-04	2.12e-06
11	4	4.26e-03	0.02	-0.26	-2.90e-05	-2.40e-04	6.78e-06
11	8	4.30e-03	8.70e-03	-0.23	-1.55e-05	-2.05e-04	6.29e-06
11	16	11.27	2.61	-0.17	-1.41e-04	1.05e-04	-5.47e-03
11	34	-3.07	12.60	-0.17	-2.91e-04	-2.27e-04	4.98e-03
11	35	3.07	-12.57	-0.18	2.23e-04	-9.66e-05	-4.98e-03
11	48	4.91	1.14	-0.18	-8.04e-05	-2.79e-05	-2.38e-03
11	66	-1.34	5.50	-0.17	-1.46e-04	-1.90e-04	2.17e-03
11	67	1.34	-5.47	-0.18	7.82e-05	-1.33e-04	-2.17e-03
11	79	-1.57e-04	0.03	-0.12	-4.73e-05	-1.17e-04	1.62e-06
11	80	2.22e-03	0.01	-0.18	-3.39e-05	-1.62e-04	4.10e-06
11	83	-1.57e-04	0.03	-0.13	-4.30e-05	-1.19e-04	1.63e-06
11	84	2.82e-03	0.01	-0.19	-2.63e-05	-1.75e-04	4.73e-06
12	4	2.46e-03	-0.08	-0.27	-2.40e-04	3.50e-05	-1.33e-05
12	8	2.52e-03	-0.08	-0.23	-1.74e-04	2.87e-05	-1.37e-05
12	16	11.76	2.74	-0.18	-6.06e-04	1.33e-03	-5.35e-03
12	35	3.18	-13.23	-0.19	1.25e-03	3.15e-04	-5.10e-03
12	48	5.13	1.17	-0.18	-3.45e-04	5.96e-04	-2.34e-03
12	67	1.39	-5.79	-0.19	4.62e-04	1.52e-04	-2.23e-03
12	80	1.11e-03	-0.05	-0.18	-1.43e-04	2.54e-05	-6.58e-06
12	84	1.58e-03	-0.06	-0.20	-1.78e-04	2.62e-05	-8.63e-06
13	3	-2.40e-04	0.04	-0.12	-3.73e-05	-1.39e-04	2.01e-06
13	4	4.13e-03	0.02	-0.18	-2.59e-05	-2.06e-04	6.65e-06
13	6	4.19e-03	3.87e-03	-0.15	-1.14e-05	-1.70e-04	6.27e-06
13	16	11.27	1.24	-0.14	-9.23e-05	2.28e-04	-5.47e-03
13	23	10.91	-7.43	-0.15	-3.24e-05	1.96e-04	-9.34e-03
13	34	-3.07	13.85	-0.11	-9.90e-05	-2.25e-04	4.99e-03
13	48	4.91	0.55	-0.13	-5.07e-05	2.05e-05	-2.38e-03
13	55	4.75	-3.23	-0.13	-2.46e-05	6.52e-06	-4.07e-03
13	66	-1.34	6.04	-0.11	-5.36e-05	-1.77e-04	2.17e-03
13	78	2.15e-03	0.01	-0.12	-1.72e-05	-1.39e-04	4.10e-06
13	79	-1.83e-04	0.03	-0.09	-2.46e-05	-1.04e-04	1.61e-06
13	80	2.15e-03	0.02	-0.12	-1.85e-05	-1.40e-04	4.08e-06
13	82	2.73e-03	0.01	-0.13	-1.57e-05	-1.48e-04	4.72e-06
13	83	-1.84e-04	0.03	-0.09	-2.77e-05	-1.06e-04	1.56e-06
13	84	2.73e-03	0.02	-0.13	-2.01e-05	-1.51e-04	4.65e-06
14	4	1.17e-03	-0.03	-0.19	-4.88e-04	-9.19e-05	-1.84e-05
14	6	1.29e-03	-0.05	-0.15	-2.82e-04	-7.27e-05	-1.87e-05
14	16	11.87	1.48	-0.15	-5.36e-04	9.63e-04	-5.33e-03
14	23	11.45	-7.68	-0.15	-1.91e-04	8.93e-04	-9.41e-03
14	35	3.20	-14.58	-0.14	1.87e-04	1.88e-04	-5.13e-03
14	48	5.17	0.64	-0.14	-4.12e-04	3.86e-04	-2.33e-03
14	55	4.99	-3.36	-0.14	-2.62e-04	3.56e-04	-4.11e-03
14	67	1.40	-6.36	-0.13	-9.70e-05	4.84e-05	-2.24e-03
14	78	4.94e-04	-0.01	-0.13	-2.96e-04	-5.79e-05	-9.34e-06
14	79	-4.20e-04	0.02	-0.09	-3.25e-04	-4.17e-05	1.38e-06
14	80	4.94e-04	-0.01	-0.13	-3.16e-04	-5.92e-05	-9.35e-06
14	82	7.23e-04	-0.02	-0.13	-2.94e-04	-6.23e-05	-1.20e-05
14	83	-4.20e-04	0.03	-0.09	-3.72e-04	-4.46e-05	1.34e-06
14	84	7.23e-04	-0.02	-0.14	-3.61e-04	-6.64e-05	-1.21e-05
15	3	-6.91e-05	0.04	-0.17	-5.29e-05	1.54e-04	1.34e-06
15	4	4.57e-03	0.02	-0.27	-9.40e-06	2.37e-04	5.45e-06
15	8	4.58e-03	6.70e-03	-0.23	3.85e-06	2.02e-04	5.15e-06
15	16	11.27	4.47	-0.18	-7.00e-05	4.34e-04	-5.47e-03
15	41	-3.09	-12.53	-0.19	2.37e-04	9.18e-05	4.73e-03
15	44	3.10	12.56	-0.17	-2.83e-04	2.28e-04	-4.73e-03
15	48	4.91	1.95	-0.18	-4.36e-05	2.79e-04	-2.38e-03
15	73	-1.35	-5.45	-0.18	9.03e-05	1.30e-04	2.06e-03
15	76	1.35	5.48	-0.17	-1.37e-04	1.89e-04	-2.06e-03
15	79	-5.93e-05	0.03	-0.12	-4.64e-05	1.15e-04	1.01e-06
15	80	2.41e-03	0.01	-0.18	-2.32e-05	1.60e-04	3.21e-06
15	83	-5.47e-05	0.03	-0.13	-4.21e-05	1.18e-04	1.02e-06
15	84	3.04e-03	0.01	-0.19	-1.31e-05	1.73e-04	3.77e-06
16	4	1.66e-03	-0.09	-0.28	-4.47e-04	-4.72e-05	-1.26e-05
16	6	1.96e-03	-0.07	-0.23	-2.78e-04	-4.10e-05	-1.32e-05
16	16	11.77	4.55	-0.18	-5.88e-04	1.25e-03	-5.41e-03
16	41	-3.20	-13.20	-0.20	1.10e-03	-3.22e-04	4.84e-03
16	48	5.13	1.96	-0.19	-3.99e-04	5.26e-04	-2.36e-03

16	73	-1.40	-5.78	-0.19	3.36e-04	-1.58e-04	2.10e-03
16	78	1.01e-03	-0.05	-0.18	-2.33e-04	-3.21e-05	-6.23e-06
16	80	9.59e-04	-0.05	-0.19	-2.54e-04	-3.20e-05	-6.22e-06
16	82	1.28e-03	-0.06	-0.20	-2.48e-04	-3.46e-05	-8.23e-06
16	84	1.11e-03	-0.06	-0.20	-3.16e-04	-3.44e-05	-8.19e-06
17	3	-1.72e-04	0.04	-0.18	-1.08e-03	4.27e-05	2.66e-06
17	4	1.81e-03	-0.02	-0.28	-1.05e-03	6.83e-05	-1.72e-05
17	8	1.85e-03	-0.03	-0.24	-8.34e-04	5.90e-05	-1.78e-05
17	16	11.87	4.62	-0.19	-7.21e-04	7.79e-04	-5.33e-03
17	41	-3.23	-13.25	-0.20	-2.03e-04	-1.34e-04	4.85e-03
17	48	5.17	2.01	-0.19	-6.73e-04	3.64e-04	-2.33e-03
17	73	-1.41	-5.78	-0.19	-4.47e-04	-3.42e-05	2.11e-03
17	79	-1.40e-04	0.02	-0.13	-6.52e-04	2.94e-05	1.99e-06
17	80	9.14e-04	-7.23e-03	-0.19	-6.35e-04	4.31e-05	-8.57e-06
17	83	-1.34e-04	0.03	-0.14	-7.88e-04	3.20e-05	2.03e-06
17	84	1.18e-03	-0.01	-0.21	-7.67e-04	4.91e-05	-1.12e-05
18	4	1.33e-03	-0.03	-0.28	-9.93e-04	-7.50e-05	-1.83e-05
18	6	1.43e-03	-0.04	-0.23	-4.84e-04	-5.99e-05	-1.87e-05
18	8	1.43e-03	-0.03	-0.24	-7.76e-04	-6.54e-05	-1.87e-05
18	16	11.87	2.81	-0.18	-7.80e-04	7.27e-04	-5.32e-03
18	35	3.20	-13.29	-0.19	-1.50e-04	1.37e-04	-5.13e-03
18	48	5.17	1.22	-0.18	-6.81e-04	2.90e-04	-2.32e-03
18	67	1.40	-5.80	-0.19	-4.06e-04	3.29e-05	-2.24e-03
18	79	-3.48e-04	0.02	-0.13	-6.53e-04	-3.09e-05	1.57e-06
18	80	6.01e-04	-0.01	-0.18	-6.04e-04	-4.71e-05	-9.25e-06
18	83	-3.47e-04	0.03	-0.14	-7.89e-04	-3.34e-05	1.56e-06
18	84	8.39e-04	-0.01	-0.20	-7.28e-04	-5.38e-05	-1.20e-05
19	3	-1.36e-03	0.04	-0.15	1.18e-03	2.71e-05	2.30e-06
19	4	9.85e-03	-0.02	-0.21	1.33e-03	4.38e-05	-1.76e-05
19	6	0.01	-0.04	-0.17	8.01e-04	3.45e-05	-1.81e-05
19	23	15.69	-2.13	-0.12	9.47e-04	7.80e-04	-9.39e-03
19	38	-3.56	12.48	-0.17	3.70e-04	-1.62e-04	-4.56e-04
19	41	-5.41	-13.25	-0.12	1.23e-03	-2.21e-04	4.84e-03
19	55	6.84	-0.93	-0.13	8.68e-04	3.55e-04	-4.10e-03
19	70	-1.55	5.43	-0.16	6.16e-04	-5.50e-05	-2.04e-04
19	73	-2.35	-5.78	-0.13	9.89e-04	-8.08e-05	2.10e-03
19	78	4.94e-03	-9.47e-03	-0.14	7.49e-04	2.70e-05	-8.84e-06
19	79	-1.04e-03	0.02	-0.11	7.25e-04	1.88e-05	1.78e-06
19	80	4.94e-03	-7.56e-03	-0.14	8.06e-04	2.76e-05	-8.85e-06
19	82	6.43e-03	-0.02	-0.15	7.69e-04	2.92e-05	-1.15e-05
19	83	-1.05e-03	0.03	-0.11	8.60e-04	2.03e-05	1.77e-06
19	84	6.43e-03	-0.01	-0.15	9.61e-04	3.14e-05	-1.15e-05
20	4	9.86e-03	-0.03	-0.21	1.26e-03	-1.96e-05	-1.78e-05
20	6	0.01	-0.04	-0.16	7.36e-04	-9.97e-06	-1.84e-05
20	23	15.69	-5.33	-0.15	8.84e-04	7.77e-04	-9.41e-03
20	32	3.48	12.52	-0.17	3.15e-04	1.83e-04	6.98e-04
20	35	5.51	-13.29	-0.12	1.21e-03	2.48e-04	-5.13e-03
20	55	6.84	-2.33	-0.14	8.20e-04	3.30e-04	-4.10e-03
20	64	1.52	5.45	-0.15	5.73e-04	7.12e-05	2.99e-04
20	67	2.40	-5.80	-0.13	9.63e-04	9.97e-05	-2.24e-03
20	78	4.94e-03	-0.01	-0.14	7.14e-04	-1.44e-05	-9.01e-06
20	79	-1.06e-03	0.02	-0.11	7.24e-04	-1.99e-05	1.79e-06
20	80	4.94e-03	-0.01	-0.14	7.71e-04	-1.51e-05	-8.99e-06
20	82	6.43e-03	-0.02	-0.15	7.26e-04	-1.32e-05	-1.17e-05
20	83	-1.06e-03	0.03	-0.11	8.59e-04	-2.15e-05	1.82e-06
20	84	6.43e-03	-0.01	-0.15	9.18e-04	-1.55e-05	-1.17e-05
21	3	-7.06e-04	0.02	-0.12	-7.53e-05	-8.13e-06	0.0
21	4	5.13e-04	7.49e-03	-0.22	-1.14e-04	-7.55e-05	0.0
21	16	9.73	2.58	-0.14	-1.08e-04	-1.97e-05	-5.53e-03
21	29	-3.70	-11.78	-0.16	-6.46e-06	-2.18e-05	-5.19e-04
21	34	-1.73	12.56	-0.12	-1.31e-04	-7.90e-05	4.99e-03
21	48	4.24	1.13	-0.14	-8.82e-05	-3.18e-05	-2.41e-03
21	61	-1.61	-5.13	-0.15	-4.42e-05	-3.27e-05	-2.26e-04
21	66	-0.75	5.48	-0.14	-9.86e-05	-5.77e-05	2.17e-03
21	79	-5.41e-04	0.02	-0.09	-5.29e-05	-5.24e-06	0.0
21	80	1.09e-04	7.68e-03	-0.14	-7.33e-05	-4.12e-05	0.0
21	83	-5.43e-04	0.02	-0.09	-5.67e-05	-6.00e-06	0.0
21	84	2.70e-04	7.00e-03	-0.16	-8.22e-05	-5.09e-05	0.0
22	3	5.08e-04	0.04	-0.14	-5.01e-05	-2.42e-04	0.0
22	4	6.57e-03	0.02	-0.24	-3.13e-05	-3.67e-04	0.0
22	16	9.35	2.61	-0.15	-5.15e-05	-2.53e-04	0.0
22	29	-3.77	-11.82	-0.19	2.65e-05	-2.19e-04	0.0
22	34	-1.32	12.60	-0.14	-5.09e-05	-2.91e-04	0.0
22	48	4.08	1.14	-0.16	-3.29e-05	-2.52e-04	0.0
22	61	-1.64	-5.14	-0.17	1.13e-06	-2.37e-04	0.0
22	66	-0.57	5.50	-0.15	-3.26e-05	-2.69e-04	0.0
22	79	3.84e-04	0.03	-0.11	-2.85e-05	-1.85e-04	0.0

22	80	3.62e-03	0.01	-0.16	-1.85e-05	-2.51e-04	0.0
22	83	3.89e-04	0.03	-0.11	-3.61e-05	-1.86e-04	0.0
22	84	4.43e-03	0.01	-0.17	-2.35e-05	-2.69e-04	0.0
23	3	-8.11e-04	0.02	-0.13	1.76e-05	1.37e-05	0.0
23	4	1.25e-04	7.27e-03	-0.23	2.59e-05	1.08e-04	1.55e-06
23	13	-11.20	-4.44	-0.15	2.84e-05	-1.15e-05	5.53e-03
23	41	-3.08	-12.50	-0.16	9.53e-05	2.98e-05	4.74e-03
23	44	3.08	12.52	-0.14	-5.36e-05	8.92e-05	-4.74e-03
23	45	-4.88	-1.93	-0.15	2.42e-05	2.86e-05	2.41e-03
23	73	-1.34	-5.44	-0.15	5.33e-05	4.66e-05	2.07e-03
23	76	1.34	5.46	-0.15	-1.16e-05	7.25e-05	-2.06e-03
23	79	-6.19e-04	0.02	-0.10	1.64e-05	9.33e-06	0.0
23	80	-1.19e-04	7.56e-03	-0.15	2.08e-05	5.95e-05	0.0
23	83	-6.23e-04	0.02	-0.10	1.43e-05	1.03e-05	0.0
23	84	1.65e-06	6.85e-03	-0.16	1.98e-05	7.30e-05	1.08e-06
24	3	-6.59e-04	0.02	-0.12	-7.39e-05	3.80e-06	1.04e-06
24	4	5.77e-04	7.22e-03	-0.22	-1.12e-04	6.93e-05	2.52e-06
24	6	7.34e-04	-1.58e-03	-0.19	-8.77e-05	6.70e-05	2.26e-06
24	16	9.73	4.46	-0.14	-7.25e-05	7.46e-05	-5.52e-03
24	39	3.61	-11.74	-0.17	-5.18e-06	1.83e-05	2.69e-04
24	44	1.82	12.52	-0.13	-1.29e-04	7.42e-05	-4.74e-03
24	48	4.24	1.95	-0.14	-7.23e-05	5.33e-05	-2.41e-03
24	71	1.57	-5.11	-0.15	-4.29e-05	2.88e-05	1.18e-04
24	76	0.79	5.46	-0.14	-9.71e-05	5.32e-05	-2.06e-03
24	79	-5.04e-04	0.02	-0.09	-5.18e-05	1.92e-06	0.0
24	80	1.55e-04	7.53e-03	-0.15	-7.21e-05	3.69e-05	1.58e-06
24	83	-5.06e-04	0.02	-0.09	-5.56e-05	2.68e-06	0.0
24	84	3.18e-04	6.81e-03	-0.16	-8.09e-05	4.64e-05	1.78e-06
25	3	4.32e-04	0.04	-0.14	-4.98e-05	2.37e-04	0.0
25	4	6.52e-03	0.02	-0.24	-3.46e-05	3.58e-04	0.0
25	16	9.35	4.47	-0.16	-7.57e-06	2.63e-04	0.0
25	39	3.66	-11.77	-0.19	2.59e-05	2.13e-04	0.0
25	44	1.44	12.56	-0.14	-5.26e-05	2.85e-04	0.0
25	48	4.08	1.95	-0.16	-1.47e-05	2.53e-04	0.0
25	71	1.60	-5.12	-0.17	0.0	2.32e-04	0.0
25	76	0.63	5.48	-0.15	-3.43e-05	2.63e-04	0.0
25	79	3.22e-04	0.03	-0.11	-2.83e-05	1.81e-04	0.0
25	80	3.57e-03	0.01	-0.16	-2.02e-05	2.46e-04	0.0
25	83	3.29e-04	0.03	-0.11	-3.58e-05	1.82e-04	0.0
25	84	4.39e-03	0.01	-0.18	-2.57e-05	2.63e-04	0.0
26	3	-6.12e-04	0.02	-0.13	1.66e-05	-1.64e-05	0.0
26	4	5.17e-04	7.55e-03	-0.23	2.24e-05	-1.10e-04	0.0
26	6	6.60e-04	-1.27e-03	-0.19	2.27e-05	-1.05e-04	0.0
26	16	11.20	2.58	-0.15	-1.91e-05	4.10e-06	-5.53e-03
26	34	-3.05	12.56	-0.14	-5.63e-05	-9.13e-05	4.99e-03
26	35	3.05	-12.54	-0.15	9.37e-05	-3.15e-05	-4.99e-03
26	48	4.88	1.13	-0.15	2.24e-06	-3.29e-05	-2.41e-03
26	66	-1.33	5.48	-0.15	-1.40e-05	-7.45e-05	2.17e-03
26	67	1.33	-5.46	-0.15	5.14e-05	-4.84e-05	-2.17e-03
26	79	-4.69e-04	0.02	-0.10	1.56e-05	-1.14e-05	0.0
26	80	1.33e-04	7.72e-03	-0.15	1.87e-05	-6.14e-05	0.0
26	83	-4.70e-04	0.02	-0.10	1.35e-05	-1.23e-05	0.0
26	84	2.82e-04	7.04e-03	-0.16	1.73e-05	-7.49e-05	0.0
27	4	2.16e-03	-0.09	-0.30	-4.81e-04	-4.72e-05	-1.26e-05
27	6	2.49e-03	-0.07	-0.25	-3.12e-04	-4.10e-05	-1.32e-05
27	16	11.98	4.55	-0.21	-6.06e-04	1.25e-03	-5.41e-03
27	38	-3.72	12.35	-0.24	-1.64e-03	-4.77e-04	-3.98e-04
27	41	-3.40	-13.20	-0.15	1.08e-03	-3.22e-04	4.84e-03
27	48	5.22	1.96	-0.20	-4.18e-04	5.26e-04	-2.36e-03
27	70	-1.62	5.35	-0.22	-8.67e-04	-2.26e-04	-1.77e-04
27	73	-1.48	-5.78	-0.18	3.17e-04	-1.58e-04	2.11e-03
27	78	1.26e-03	-0.05	-0.19	-2.51e-04	-3.21e-05	-6.23e-06
27	80	1.21e-03	-0.05	-0.20	-2.72e-04	-3.20e-05	-6.22e-06
27	82	1.61e-03	-0.06	-0.21	-2.71e-04	-3.46e-05	-8.23e-06
27	84	1.44e-03	-0.06	-0.22	-3.39e-04	-3.44e-05	-8.19e-06
28	4	2.99e-03	-0.08	-0.28	-2.40e-04	3.50e-05	-1.33e-05
28	8	3.07e-03	-0.08	-0.24	-1.74e-04	2.87e-05	-1.37e-05
28	16	11.98	2.74	-0.20	-6.07e-04	1.33e-03	-5.35e-03
28	32	3.73	12.39	-0.23	-1.55e-03	4.86e-04	6.66e-04
28	35	3.38	-13.23	-0.14	1.24e-03	3.15e-04	-5.10e-03
28	48	5.22	1.17	-0.19	-3.46e-04	5.96e-04	-2.34e-03
28	64	1.63	5.37	-0.21	-7.55e-04	2.26e-04	2.87e-04
28	67	1.47	-5.79	-0.17	4.61e-04	1.52e-04	-2.23e-03
28	80	1.37e-03	-0.05	-0.19	-1.44e-04	2.54e-05	-6.58e-06
28	84	1.93e-03	-0.06	-0.21	-1.79e-04	2.62e-05	-8.63e-06
29	3	4.75e-04	0.11	-0.16	3.58e-04	-8.45e-06	2.43e-06
29	4	9.62e-03	0.06	-0.22	4.37e-04	1.10e-05	-1.26e-05

29	23	15.20	-5.25	-0.17	6.71e-04	1.31e-03	-9.39e-03
29	34	-5.26	13.23	-0.12	-1.11e-03	-4.44e-04	5.09e-03
29	35	5.27	-13.15	-0.18	1.62e-03	4.53e-04	-5.10e-03
29	55	6.63	-2.27	-0.16	4.38e-04	5.71e-04	-4.10e-03
29	66	-2.29	5.79	-0.14	-3.37e-04	-1.91e-04	2.21e-03
29	67	2.30	-5.71	-0.16	8.54e-04	2.00e-04	-2.22e-03
29	79	2.36e-04	0.07	-0.12	2.16e-04	-5.87e-06	1.82e-06
29	80	5.11e-03	0.04	-0.15	2.58e-04	4.48e-06	-6.19e-06
29	83	3.33e-04	0.08	-0.12	2.61e-04	-6.34e-06	1.85e-06
29	84	6.43e-03	0.04	-0.16	3.13e-04	6.59e-06	-8.16e-06
30	3	-2.86e-03	0.11	-0.16	3.58e-04	6.30e-06	2.00e-06
30	4	5.91e-03	0.07	-0.23	6.48e-04	2.58e-05	-1.32e-05
30	6	6.76e-03	0.02	-0.18	4.81e-04	2.35e-05	-1.37e-05
30	23	15.21	-2.05	-0.15	7.42e-04	1.29e-03	-9.33e-03
30	41	-5.19	-13.10	-0.18	1.70e-03	-4.20e-04	4.80e-03
30	44	5.19	13.20	-0.13	-9.60e-04	4.49e-04	-4.82e-03
30	55	6.63	-0.87	-0.15	5.33e-04	5.70e-04	-4.07e-03
30	73	-2.26	-5.68	-0.17	9.51e-04	-1.75e-04	2.09e-03
30	76	2.26	5.78	-0.14	-2.09e-04	2.04e-04	-2.10e-03
30	78	2.66e-03	0.04	-0.15	3.52e-04	1.44e-05	-6.57e-06
30	79	-2.06e-03	0.07	-0.12	2.17e-04	4.23e-06	1.55e-06
30	80	2.61e-03	0.05	-0.15	3.71e-04	1.46e-05	-6.58e-06
30	82	3.82e-03	0.04	-0.16	3.91e-04	1.70e-05	-8.61e-06
30	83	-2.16e-03	0.08	-0.12	2.61e-04	4.70e-06	1.54e-06
30	84	3.68e-03	0.06	-0.17	4.54e-04	1.77e-05	-8.62e-06
31	3	-5.12e-04	0.04	-0.21	2.08e-05	-1.49e-04	0.0
31	4	3.15e-03	0.02	-0.31	1.34e-04	-2.11e-04	0.0
31	8	3.27e-03	8.15e-03	-0.26	1.29e-04	-1.77e-04	0.0
31	23	12.70	-4.34	-0.21	6.50e-05	-1.01e-04	0.0
31	34	-4.02	12.20	-0.22	3.00e-05	-1.59e-04	0.0
31	44	4.00	11.33	-0.22	1.74e-05	-1.31e-04	0.0
31	55	5.53	-1.88	-0.21	7.01e-05	-1.26e-04	0.0
31	66	-1.75	5.32	-0.22	5.48e-05	-1.52e-04	0.0
31	76	1.74	4.95	-0.22	4.93e-05	-1.40e-04	0.0
31	79	-3.95e-04	0.03	-0.16	1.38e-05	-1.13e-04	0.0
31	80	1.56e-03	0.01	-0.21	7.40e-05	-1.46e-04	0.0
31	83	-3.94e-04	0.03	-0.16	1.54e-05	-1.14e-04	0.0
31	84	2.05e-03	0.01	-0.23	9.07e-05	-1.56e-04	0.0
32	3	-5.79e-04	0.04	-0.20	9.37e-06	-2.41e-04	0.0
32	4	3.00e-03	0.02	-0.29	1.03e-04	-3.43e-04	0.0
32	8	3.14e-03	8.74e-03	-0.24	1.01e-04	-2.88e-04	0.0
32	23	12.78	-5.15	-0.20	3.50e-05	-1.71e-04	0.0
32	28	12.77	1.91	-0.21	4.86e-06	-1.71e-04	0.0
32	34	-4.06	12.63	-0.20	1.53e-05	-2.56e-04	0.0
32	55	5.57	-2.23	-0.20	4.69e-05	-2.08e-04	0.0
32	60	5.57	0.84	-0.20	3.38e-05	-2.08e-04	0.0
32	66	-1.77	5.51	-0.20	3.83e-05	-2.45e-04	0.0
32	79	-4.46e-04	0.03	-0.15	5.94e-06	-1.82e-04	0.0
32	80	1.47e-03	0.01	-0.20	5.61e-05	-2.37e-04	0.0
32	83	-4.45e-04	0.03	-0.15	6.89e-06	-1.85e-04	0.0
32	84	1.94e-03	0.01	-0.21	6.96e-05	-2.53e-04	0.0
33	3	-7.49e-04	0.04	-0.19	2.23e-04	-1.87e-04	0.0
33	4	2.44e-03	0.02	-0.27	3.61e-04	-2.55e-04	0.0
33	6	2.62e-03	2.09e-03	-0.22	3.10e-04	-2.10e-04	0.0
33	23	13.56	-5.11	-0.19	2.28e-04	-1.06e-04	0.0
33	32	3.43	11.85	-0.20	1.76e-04	-1.52e-04	0.0
33	34	-4.48	12.61	-0.19	1.98e-04	-1.97e-04	0.0
33	55	5.91	-2.22	-0.19	2.38e-04	-1.47e-04	0.0
33	64	1.50	5.17	-0.19	2.15e-04	-1.67e-04	0.0
33	66	-1.95	5.50	-0.19	2.25e-04	-1.86e-04	0.0
33	78	1.13e-03	0.01	-0.18	2.45e-04	-1.78e-04	0.0
33	79	-5.74e-04	0.03	-0.14	1.72e-04	-1.42e-04	0.0
33	80	1.13e-03	0.01	-0.18	2.45e-04	-1.79e-04	0.0
33	82	1.55e-03	0.01	-0.19	2.64e-04	-1.87e-04	0.0
33	83	-5.76e-04	0.03	-0.14	1.72e-04	-1.43e-04	0.0
33	84	1.55e-03	0.01	-0.20	2.64e-04	-1.89e-04	0.0
34	3	-6.77e-04	0.04	-0.20	2.74e-04	-1.03e-04	0.0
34	4	2.58e-03	0.02	-0.29	4.42e-04	-1.41e-04	0.0
34	6	2.73e-03	1.49e-03	-0.24	3.77e-04	-1.16e-04	0.0
34	23	13.53	-4.31	-0.20	2.97e-04	-3.48e-05	0.0
34	32	3.43	11.80	-0.21	2.34e-04	-8.20e-05	0.0
34	34	-4.47	12.18	-0.21	2.46e-04	-1.20e-04	0.0
34	55	5.90	-1.87	-0.20	2.99e-04	-7.08e-05	0.0
34	64	1.50	5.15	-0.20	2.71e-04	-9.14e-05	0.0
34	66	-1.94	5.32	-0.20	2.76e-04	-1.08e-04	0.0
34	78	1.22e-03	0.01	-0.20	2.99e-04	-9.83e-05	0.0
34	79	-5.20e-04	0.03	-0.15	2.10e-04	-7.84e-05	0.0

34	80	1.22e-03	0.01	-0.20	3.00e-04	-9.86e-05	0.0
34	82	1.65e-03	9.96e-03	-0.21	3.22e-04	-1.03e-04	0.0
34	83	-5.21e-04	0.03	-0.15	2.11e-04	-7.93e-05	0.0
34	84	1.65e-03	0.01	-0.21	3.23e-04	-1.05e-04	0.0
35	3	-2.34e-04	0.04	-0.19	-1.48e-04	2.37e-04	0.0
35	4	3.93e-03	0.02	-0.28	-8.98e-05	3.63e-04	0.0
35	8	3.98e-03	6.63e-03	-0.24	-5.52e-05	3.09e-04	0.0
35	22	-11.94	1.77	-0.20	-1.38e-04	1.63e-04	0.0
35	23	11.94	-1.75	-0.18	-3.12e-05	3.27e-04	0.0
35	44	3.62	12.64	-0.19	-1.51e-04	2.76e-04	0.0
35	54	-5.20	0.78	-0.19	-1.08e-04	2.09e-04	0.0
35	55	5.20	-0.75	-0.19	-6.14e-05	2.81e-04	0.0
35	76	1.58	5.52	-0.19	-1.14e-04	2.59e-04	0.0
35	79	-1.83e-04	0.03	-0.14	-1.16e-04	1.78e-04	0.0
35	80	2.04e-03	0.01	-0.19	-8.47e-05	2.45e-04	0.0
35	83	-1.80e-04	0.03	-0.14	-1.14e-04	1.81e-04	0.0
35	84	2.60e-03	0.01	-0.21	-7.55e-05	2.65e-04	0.0
36	3	-2.62e-04	0.04	-0.20	-1.58e-04	2.03e-04	0.0
36	4	3.90e-03	0.02	-0.31	-9.62e-05	2.76e-04	0.0
36	8	3.96e-03	7.08e-03	-0.26	-5.93e-05	2.30e-04	0.0
36	23	11.86	-2.60	-0.21	-3.79e-05	2.29e-04	0.0
36	34	-3.57	11.27	-0.21	-1.65e-04	1.74e-04	0.0
36	44	3.57	12.22	-0.21	-1.49e-04	1.95e-04	0.0
36	55	5.17	-1.12	-0.21	-6.76e-05	2.09e-04	0.0
36	66	-1.56	4.92	-0.21	-1.23e-04	1.85e-04	0.0
36	76	1.56	5.33	-0.21	-1.16e-04	1.94e-04	0.0
36	79	-2.04e-04	0.03	-0.15	-1.24e-04	1.54e-04	0.0
36	80	2.01e-03	0.01	-0.21	-9.06e-05	1.93e-04	0.0
36	83	-2.02e-04	0.03	-0.16	-1.22e-04	1.55e-04	0.0
36	84	2.57e-03	0.01	-0.23	-8.08e-05	2.04e-04	0.0
37	3	-4.13e-04	0.04	-0.21	2.37e-05	1.46e-04	0.0
37	4	3.34e-03	0.02	-0.31	1.46e-04	2.02e-04	0.0
37	8	3.43e-03	7.09e-03	-0.26	1.41e-04	1.69e-04	0.0
37	23	12.71	-2.67	-0.21	1.20e-04	1.87e-04	0.0
37	34	-4.03	11.31	-0.22	2.54e-05	1.26e-04	0.0
37	44	4.00	12.18	-0.22	3.83e-05	1.53e-04	0.0
37	55	5.54	-1.16	-0.21	9.83e-05	1.61e-04	0.0
37	66	-1.75	4.93	-0.22	5.70e-05	1.34e-04	0.0
37	76	1.75	5.31	-0.22	6.26e-05	1.46e-04	0.0
37	79	-3.19e-04	0.03	-0.16	1.61e-05	1.11e-04	0.0
37	80	1.68e-03	0.01	-0.21	8.13e-05	1.41e-04	0.0
37	83	-3.18e-04	0.03	-0.16	1.77e-05	1.12e-04	0.0
37	84	2.18e-03	0.01	-0.23	9.93e-05	1.49e-04	0.0
38	3	-3.76e-04	0.04	-0.20	1.24e-05	2.38e-04	0.0
38	4	3.38e-03	0.02	-0.29	1.20e-04	3.42e-04	0.0
38	8	3.47e-03	6.67e-03	-0.24	1.18e-04	2.88e-04	0.0
38	22	-12.78	1.89	-0.21	1.51e-05	1.69e-04	0.0
38	23	12.79	-1.87	-0.19	1.16e-04	3.03e-04	0.0
38	44	4.04	12.58	-0.20	2.62e-05	2.55e-04	0.0
38	54	-5.57	0.83	-0.20	4.37e-05	2.07e-04	0.0
38	55	5.57	-0.80	-0.19	8.79e-05	2.65e-04	0.0
38	76	1.76	5.49	-0.20	4.85e-05	2.44e-04	0.0
38	79	-2.91e-04	0.03	-0.15	8.24e-06	1.80e-04	0.0
38	80	1.71e-03	0.01	-0.20	6.58e-05	2.36e-04	0.0
38	83	-2.90e-04	0.03	-0.15	9.19e-06	1.83e-04	0.0
38	84	2.22e-03	0.01	-0.21	8.11e-05	2.52e-04	0.0
39	3	-8.72e-05	0.04	-0.12	-3.81e-05	1.95e-04	3.57e-06
39	4	4.35e-03	0.01	-0.18	-1.90e-05	2.93e-04	7.27e-06
39	8	4.37e-03	5.59e-03	-0.15	-1.09e-05	2.49e-04	6.44e-06
39	13	-11.68	-5.81	-0.15	-4.00e-05	2.64e-05	5.48e-03
39	16	11.68	5.83	-0.10	9.46e-06	3.71e-04	-5.47e-03
39	44	3.45	13.74	-0.11	-8.43e-05	2.43e-04	-4.72e-03
39	45	-5.09	-2.52	-0.13	-2.60e-05	1.24e-04	2.39e-03
39	48	5.09	2.55	-0.11	-4.48e-06	2.73e-04	-2.38e-03
39	76	1.50	5.99	-0.12	-4.53e-05	2.18e-04	-2.06e-03
39	79	-7.40e-05	0.03	-0.09	-2.54e-05	1.46e-04	2.79e-06
39	80	2.29e-03	0.01	-0.12	-1.52e-05	1.98e-04	4.76e-06
39	83	-6.88e-05	0.03	-0.09	-2.83e-05	1.49e-04	2.75e-06
39	84	2.89e-03	0.01	-0.13	-1.56e-05	2.14e-04	5.22e-06
40	3	-1.13e-04	0.04	-0.14	-6.58e-05	2.78e-04	0.0
40	4	4.28e-03	0.01	-0.21	-4.08e-05	4.50e-04	0.0
40	8	4.31e-03	5.95e-03	-0.18	-2.61e-05	3.87e-04	0.0
40	16	11.68	5.42	-0.13	-2.84e-06	3.99e-04	0.0
40	25	-11.61	-6.70	-0.16	-6.04e-05	2.01e-04	0.0
40	44	3.45	13.38	-0.14	-1.02e-04	3.36e-04	0.0
40	48	5.09	2.37	-0.14	-2.08e-05	3.42e-04	0.0
40	57	-5.06	-2.91	-0.15	-4.59e-05	2.56e-04	0.0

40	76	1.50	5.84	-0.14	-6.42e-05	3.15e-04	0.0
40	79	-9.32e-05	0.03	-0.11	-4.80e-05	2.07e-04	0.0
40	80	2.25e-03	0.01	-0.14	-3.47e-05	2.99e-04	0.0
40	83	-8.84e-05	0.03	-0.11	-5.00e-05	2.12e-04	0.0
40	84	2.84e-03	0.01	-0.16	-3.33e-05	3.27e-04	0.0
41	3	-2.05e-04	0.04	-0.14	-4.52e-05	3.11e-04	0.0
41	4	3.87e-03	0.01	-0.21	-9.60e-06	4.69e-04	0.0
41	8	3.92e-03	5.95e-03	-0.18	0.0	3.98e-04	0.0
41	18	-12.09	1.62	-0.17	-8.58e-05	2.20e-04	0.0
41	23	12.30	-0.29	-0.13	5.40e-05	4.13e-04	0.0
41	44	3.80	13.38	-0.14	-7.32e-05	3.52e-04	0.0
41	50	-5.27	0.71	-0.15	-4.49e-05	2.76e-04	0.0
41	55	5.36	-0.12	-0.14	1.60e-05	3.60e-04	0.0
41	76	1.66	5.84	-0.14	-3.94e-05	3.33e-04	0.0
41	79	-1.61e-04	0.03	-0.11	-3.24e-05	2.34e-04	0.0
41	80	2.01e-03	0.01	-0.15	-1.34e-05	3.18e-04	0.0
41	83	-1.59e-04	0.03	-0.11	-3.42e-05	2.38e-04	0.0
41	84	2.56e-03	0.01	-0.16	-1.04e-05	3.43e-04	0.0
42	3	-1.51e-04	0.04	-0.12	-3.47e-05	2.12e-04	0.0
42	4	3.96e-03	0.01	-0.18	-1.33e-05	3.05e-04	3.19e-06
42	8	4.00e-03	5.60e-03	-0.15	-5.99e-06	2.56e-04	3.08e-06
42	18	-12.09	1.20	-0.15	-8.17e-05	7.90e-05	5.56e-03
42	23	12.31	0.42	-0.10	5.39e-05	3.32e-04	-9.34e-03
42	44	3.80	13.74	-0.12	-7.76e-05	2.46e-04	-4.73e-03
42	50	-5.27	0.53	-0.14	-4.21e-05	1.53e-04	2.42e-03
42	55	5.37	0.19	-0.11	1.70e-05	2.63e-04	-4.07e-03
42	76	1.66	5.99	-0.12	-4.03e-05	2.25e-04	-2.06e-03
42	79	-1.21e-04	0.03	-0.09	-2.29e-05	1.60e-04	0.0
42	80	2.07e-03	0.01	-0.12	-1.15e-05	2.09e-04	1.91e-06
42	83	-1.17e-04	0.03	-0.09	-2.58e-05	1.62e-04	0.0
42	84	2.62e-03	0.01	-0.13	-1.15e-05	2.24e-04	2.20e-06
43	3	-2.46e-04	0.04	-0.17	-7.54e-05	2.95e-04	0.0
43	4	3.80e-03	0.01	-0.25	-1.95e-05	4.55e-04	0.0
43	8	3.86e-03	6.28e-03	-0.21	-2.17e-06	3.88e-04	0.0
43	22	-12.27	1.03	-0.18	-8.65e-05	2.34e-04	0.0
43	23	12.27	-1.00	-0.16	3.08e-05	3.80e-04	0.0
43	44	3.79	13.02	-0.17	-8.08e-05	3.39e-04	0.0
43	54	-5.34	0.46	-0.18	-5.34e-05	2.75e-04	0.0
43	55	5.35	-0.43	-0.16	-2.28e-06	3.39e-04	0.0
43	76	1.65	5.68	-0.17	-5.09e-05	3.21e-04	0.0
43	79	-1.92e-04	0.03	-0.13	-5.76e-05	2.22e-04	0.0
43	80	1.97e-03	0.01	-0.17	-2.78e-05	3.07e-04	0.0
43	83	-1.90e-04	0.03	-0.13	-5.79e-05	2.26e-04	0.0
43	84	2.51e-03	0.01	-0.18	-2.06e-05	3.32e-04	0.0
44	3	-3.47e-04	0.04	-0.17	2.36e-05	3.00e-04	0.0
44	4	3.39e-03	0.01	-0.25	1.08e-04	4.32e-04	0.0
44	8	3.47e-03	6.30e-03	-0.21	1.02e-04	3.64e-04	0.0
44	18	-12.46	2.09	-0.19	0.0	2.15e-04	0.0
44	23	12.94	-1.08	-0.15	1.23e-04	3.77e-04	0.0
44	44	4.12	12.98	-0.18	1.74e-05	3.20e-04	0.0
44	50	-5.43	0.92	-0.18	3.60e-05	2.62e-04	0.0
44	55	5.64	-0.46	-0.16	8.94e-05	3.32e-04	0.0
44	76	1.80	5.66	-0.17	4.34e-05	3.07e-04	0.0
44	79	-2.68e-04	0.03	-0.13	1.88e-05	2.27e-04	0.0
44	80	1.73e-03	0.01	-0.17	6.35e-05	2.98e-04	0.0
44	83	-2.67e-04	0.03	-0.13	1.83e-05	2.30e-04	0.0
44	84	2.22e-03	0.01	-0.18	7.42e-05	3.18e-04	0.0
45	3	-4.58e-04	0.04	-0.22	3.48e-05	-2.45e-06	0.0
45	4	3.26e-03	0.02	-0.32	1.59e-04	-7.77e-06	0.0
45	8	3.37e-03	7.59e-03	-0.27	1.52e-04	-7.21e-06	0.0
45	23	12.67	-3.52	-0.22	1.06e-04	2.89e-05	0.0
45	34	-4.01	11.76	-0.23	3.84e-05	-1.58e-05	0.0
45	40	3.92	11.75	-0.23	3.85e-05	5.50e-06	0.0
45	55	5.52	-1.52	-0.22	9.75e-05	9.95e-06	0.0
45	66	-1.75	5.13	-0.22	6.80e-05	-9.53e-06	0.0
45	72	1.71	5.13	-0.22	6.80e-05	0.0	0.0
45	79	-3.53e-04	0.03	-0.17	2.43e-05	-1.86e-06	0.0
45	80	1.63e-03	0.01	-0.22	9.07e-05	-4.70e-06	0.0
45	83	-3.52e-04	0.03	-0.17	2.62e-05	-1.88e-06	0.0
45	84	2.13e-03	0.01	-0.24	1.09e-04	-5.43e-06	0.0
46	3	-6.08e-04	0.04	-0.21	2.90e-04	-1.13e-06	0.0
46	4	2.71e-03	0.02	-0.30	4.70e-04	-1.83e-06	0.0
46	6	2.85e-03	9.51e-04	-0.24	4.01e-04	-1.56e-06	0.0
46	23	13.50	-3.51	-0.20	3.36e-04	5.63e-05	0.0
46	32	3.44	11.75	-0.21	2.57e-04	1.63e-05	0.0
46	34	-4.45	11.76	-0.21	2.57e-04	-1.83e-05	0.0
46	55	5.88	-1.52	-0.20	3.26e-04	2.38e-05	0.0

46	64	1.50	5.13	-0.21	2.91e-04	6.41e-06	0.0
46	66	-1.94	5.13	-0.21	2.92e-04	-8.67e-06	0.0
46	78	1.30e-03	0.01	-0.20	3.17e-04	-1.23e-06	0.0
46	79	-4.67e-04	0.03	-0.16	2.22e-04	0.0	0.0
46	80	1.30e-03	0.01	-0.20	3.18e-04	-1.23e-06	0.0
46	82	1.75e-03	9.56e-03	-0.21	3.41e-04	-1.33e-06	0.0
46	83	-4.68e-04	0.03	-0.16	2.23e-04	0.0	0.0
46	84	1.75e-03	0.01	-0.22	3.43e-04	-1.33e-06	0.0
47	3	1.34e-06	0.04	-0.14	-6.58e-05	2.36e-04	0.0
47	4	4.73e-03	0.01	-0.21	-4.63e-05	4.16e-04	0.0
47	8	4.73e-03	6.01e-03	-0.18	-3.17e-05	3.63e-04	0.0
47	16	11.25	5.38	-0.13	-2.00e-05	3.61e-04	0.0
47	25	-10.88	-6.64	-0.16	-4.76e-05	1.81e-04	0.0
47	44	3.08	13.35	-0.13	-1.15e-04	3.02e-04	0.0
47	48	4.90	2.35	-0.14	-2.94e-05	3.09e-04	0.0
47	57	-4.74	-2.88	-0.15	-4.14e-05	2.31e-04	0.0
47	76	1.34	5.82	-0.14	-7.09e-05	2.84e-04	0.0
47	79	-9.20e-06	0.03	-0.10	-4.70e-05	1.73e-04	0.0
47	80	2.51e-03	0.01	-0.14	-3.66e-05	2.69e-04	0.0
47	83	-1.51e-06	0.03	-0.10	-4.97e-05	1.80e-04	0.0
47	84	3.15e-03	0.01	-0.16	-3.67e-05	3.00e-04	0.0
48	3	-3.00e-04	0.04	-0.13	-1.85e-05	1.49e-04	-9.40e-06
48	4	3.17e-03	0.01	-0.18	6.81e-06	2.05e-04	-9.06e-06
48	8	3.24e-03	5.72e-03	-0.16	1.03e-05	1.71e-04	-6.92e-06
48	18	-12.92	1.20	-0.17	-6.86e-05	2.84e-05	5.54e-03
48	23	13.71	0.41	-0.09	7.06e-05	2.53e-04	-9.35e-03
48	44	4.51	13.74	-0.13	-6.35e-05	1.68e-04	-4.73e-03
48	50	-5.63	0.53	-0.14	-2.79e-05	9.33e-05	2.41e-03
48	55	5.98	0.19	-0.11	3.27e-05	1.91e-04	-4.08e-03
48	76	1.97	5.99	-0.13	-2.57e-05	1.54e-04	-2.07e-03
48	79	-2.34e-04	0.03	-0.10	-1.00e-05	1.14e-04	-7.07e-06
48	80	1.62e-03	0.01	-0.13	3.48e-06	1.43e-04	-6.89e-06
48	83	-2.32e-04	0.03	-0.10	-1.32e-05	1.15e-04	-7.19e-06
48	84	2.08e-03	0.01	-0.14	3.69e-06	1.52e-04	-6.97e-06
49	3	-3.78e-04	0.04	-0.14	5.67e-05	2.43e-04	0.0
49	4	3.07e-03	0.01	-0.21	1.16e-04	3.37e-04	0.0
49	8	3.16e-03	6.01e-03	-0.18	1.02e-04	2.81e-04	0.0
49	18	-12.91	1.64	-0.17	6.63e-06	1.32e-04	0.0
49	23	13.69	-0.32	-0.11	1.45e-04	3.34e-04	0.0
49	44	4.50	13.37	-0.15	1.62e-05	2.51e-04	0.0
49	50	-5.63	0.72	-0.16	4.71e-05	1.90e-04	0.0
49	55	5.97	-0.13	-0.13	1.07e-04	2.78e-04	0.0
49	76	1.96	5.83	-0.15	5.13e-05	2.42e-04	0.0
49	79	-2.93e-04	0.03	-0.11	4.68e-05	1.85e-04	0.0
49	80	1.55e-03	0.01	-0.14	7.84e-05	2.35e-04	0.0
49	83	-2.92e-04	0.03	-0.11	4.44e-05	1.87e-04	0.0
49	84	2.01e-03	0.01	-0.15	8.39e-05	2.49e-04	0.0
50	3	-4.47e-04	0.04	-0.14	8.88e-05	1.33e-04	0.0
50	4	2.74e-03	0.01	-0.20	1.51e-04	1.83e-04	0.0
50	8	2.85e-03	6.04e-03	-0.17	1.30e-04	1.52e-04	0.0
50	18	-13.33	1.66	-0.17	3.03e-05	2.34e-05	0.0
50	23	14.39	-0.35	-0.10	1.75e-04	2.28e-04	0.0
50	44	4.86	13.35	-0.15	2.86e-05	1.43e-04	0.0
50	50	-5.81	0.73	-0.15	7.27e-05	8.25e-05	0.0
50	55	6.27	-0.14	-0.12	1.36e-04	1.72e-04	0.0
50	76	2.12	5.83	-0.14	7.20e-05	1.35e-04	0.0
50	79	-3.50e-04	0.03	-0.10	7.24e-05	1.02e-04	0.0
50	80	1.35e-03	0.01	-0.14	1.05e-04	1.28e-04	0.0
50	83	-3.46e-04	0.03	-0.11	6.93e-05	1.02e-04	0.0
50	84	1.78e-03	0.01	-0.15	1.11e-04	1.35e-04	0.0
51	3	-4.24e-04	0.04	-0.13	-1.48e-05	7.28e-05	-1.09e-05
51	4	2.79e-03	0.01	-0.19	1.06e-05	1.02e-04	-1.13e-05
51	8	2.89e-03	5.82e-03	-0.16	1.31e-05	8.56e-05	-8.83e-06
51	18	-13.34	1.20	-0.17	-6.85e-05	-4.41e-05	5.54e-03
51	23	14.41	0.41	-0.08	7.62e-05	1.82e-04	-9.35e-03
51	44	4.87	13.74	-0.14	-6.66e-05	9.71e-05	-4.74e-03
51	50	-5.81	0.53	-0.15	-2.60e-05	2.10e-05	2.41e-03
51	55	6.28	0.19	-0.11	3.70e-05	1.19e-04	-4.08e-03
51	76	2.12	5.99	-0.13	-2.52e-05	8.25e-05	-2.07e-03
51	79	-3.30e-04	0.03	-0.10	-6.81e-06	5.55e-05	-8.20e-06
51	80	1.38e-03	0.01	-0.13	6.70e-06	7.12e-05	-8.40e-06
51	83	-3.27e-04	0.03	-0.10	-1.02e-05	5.59e-05	-8.36e-06
51	84	1.82e-03	0.01	-0.14	6.66e-06	7.56e-05	-8.61e-06
52	3	-5.46e-04	0.04	-0.20	2.73e-04	1.02e-04	0.0
52	4	2.82e-03	0.02	-0.29	4.46e-04	1.41e-04	0.0
52	8	2.95e-03	7.06e-03	-0.24	3.84e-04	1.17e-04	0.0
52	23	13.52	-2.70	-0.19	3.38e-04	1.60e-04	0.0

52	38	-3.48	11.78	-0.21	2.37e-04	8.15e-05	0.0
52	44	4.42	12.16	-0.21	2.49e-04	1.20e-04	0.0
52	55	5.89	-1.17	-0.19	3.17e-04	1.25e-04	0.0
52	70	-1.51	5.14	-0.20	2.73e-04	9.09e-05	0.0
52	76	1.93	5.31	-0.20	2.79e-04	1.07e-04	0.0
52	79	-4.21e-04	0.03	-0.15	2.09e-04	7.75e-05	0.0
52	80	1.38e-03	0.01	-0.20	3.01e-04	9.81e-05	0.0
52	83	-4.20e-04	0.03	-0.15	2.10e-04	7.84e-05	0.0
52	84	1.83e-03	0.01	-0.21	3.25e-04	1.04e-04	0.0
53	3	-2.51e-05	0.04	-0.16	-5.66e-05	-2.15e-04	0.0
53	4	4.85e-03	0.02	-0.27	-4.23e-05	-3.46e-04	0.0
53	8	4.85e-03	8.72e-03	-0.23	-3.08e-05	-2.97e-04	0.0
53	16	10.77	2.61	-0.17	-6.16e-05	-1.74e-04	0.0
53	29	-3.63	-11.82	-0.19	4.46e-05	-2.38e-04	0.0
53	34	-2.62	12.59	-0.16	-9.13e-05	-2.60e-04	0.0
53	48	4.70	1.15	-0.17	-4.22e-05	-2.06e-04	0.0
53	61	-1.58	-5.14	-0.18	4.05e-06	-2.34e-04	0.0
53	66	-1.14	5.50	-0.17	-5.52e-05	-2.43e-04	0.0
53	79	-2.12e-05	0.03	-0.12	-3.49e-05	-1.61e-04	0.0
53	80	2.58e-03	0.01	-0.18	-2.73e-05	-1.31e-04	0.0
53	83	-1.98e-05	0.03	-0.13	-4.14e-05	-1.64e-04	0.0
53	84	3.23e-03	0.01	-0.19	-3.18e-05	-2.51e-04	0.0
54	3	-5.52e-05	0.04	-0.15	-7.22e-05	-1.90e-04	0.0
54	4	4.78e-03	0.02	-0.24	-6.22e-05	-3.52e-04	0.0
54	6	4.79e-03	2.72e-03	-0.20	-3.46e-05	-2.96e-04	0.0
54	16	10.77	2.16	-0.16	-9.79e-05	-1.77e-04	0.0
54	34	-2.62	13.00	-0.14	-1.03e-04	-2.44e-04	0.0
54	35	2.62	-12.97	-0.18	1.80e-05	-2.04e-04	0.0
54	48	4.70	0.95	-0.16	-6.67e-05	-2.03e-04	0.0
54	66	-1.14	5.68	-0.15	-6.90e-05	-2.33e-04	0.0
54	67	1.14	-5.64	-0.17	-1.62e-05	-2.15e-04	0.0
54	78	2.54e-03	0.01	-0.16	-4.01e-05	-2.22e-04	0.0
54	79	-4.24e-05	0.03	-0.11	-4.79e-05	-1.38e-04	0.0
54	80	2.54e-03	0.02	-0.16	-4.26e-05	-2.24e-04	0.0
54	82	3.18e-03	0.01	-0.17	-3.88e-05	-2.43e-04	0.0
54	83	-4.24e-05	0.03	-0.11	-5.36e-05	-1.44e-04	0.0
54	84	3.18e-03	0.02	-0.17	-4.70e-05	-2.52e-04	0.0
55	3	-2.30e-04	0.04	-0.15	-9.20e-05	-1.82e-04	0.0
55	4	4.21e-03	0.02	-0.24	-7.60e-05	-3.39e-04	0.0
55	6	4.27e-03	2.71e-03	-0.20	-5.18e-05	-2.84e-04	0.0
55	16	11.25	2.15	-0.17	-1.32e-04	-1.59e-04	0.0
55	34	-3.05	13.02	-0.15	-1.65e-04	-2.41e-04	0.0
55	35	3.05	-12.99	-0.17	4.42e-05	-1.89e-04	0.0
55	48	4.90	0.94	-0.16	-9.12e-05	-1.91e-04	0.0
55	66	-1.33	5.68	-0.16	-1.06e-04	-2.26e-04	0.0
55	67	1.33	-5.65	-0.17	-1.47e-05	-2.03e-04	0.0
55	78	2.19e-03	0.01	-0.16	-5.95e-05	-2.12e-04	0.0
55	79	-1.76e-04	0.03	-0.12	-6.87e-05	-1.31e-04	0.0
55	80	2.19e-03	0.02	-0.16	-6.01e-05	-2.15e-04	0.0
55	82	2.79e-03	0.01	-0.17	-5.73e-05	-2.33e-04	0.0
55	83	-1.76e-04	0.03	-0.12	-7.02e-05	-1.38e-04	0.0
55	84	2.79e-03	0.02	-0.18	-5.96e-05	-2.42e-04	0.0
56	3	-2.94e-04	0.04	-0.15	1.65e-06	3.07e-04	0.0
56	4	3.46e-03	0.01	-0.21	5.04e-05	4.39e-04	0.0
56	8	3.53e-03	5.98e-03	-0.18	4.96e-05	3.69e-04	0.0
56	18	-12.50	1.64	-0.17	-4.10e-05	2.03e-04	0.0
56	23	12.99	-0.32	-0.12	9.60e-05	4.00e-04	0.0
56	44	4.15	13.37	-0.15	-2.75e-05	3.28e-04	0.0
56	50	-5.44	0.72	-0.16	0.0	2.60e-04	0.0
56	55	5.66	-0.13	-0.14	5.87e-05	3.45e-04	0.0
56	76	1.81	5.83	-0.15	4.90e-06	3.14e-04	0.0
56	79	-2.27e-04	0.03	-0.11	3.89e-06	2.33e-04	0.0
56	80	1.78e-03	0.01	-0.15	2.99e-05	3.03e-04	0.0
56	83	-2.26e-04	0.03	-0.11	1.92e-06	2.35e-04	0.0
56	84	2.28e-03	0.01	-0.16	3.44e-05	3.24e-04	0.0
57	3	-3.01e-05	0.04	-0.15	-9.03e-05	1.78e-04	0.0
57	4	4.66e-03	0.01	-0.25	-6.63e-05	3.49e-04	0.0
57	8	4.67e-03	6.34e-03	-0.21	-4.59e-05	3.10e-04	0.0
57	16	11.25	4.92	-0.16	-4.95e-05	2.80e-04	0.0
57	41	-3.07	-12.93	-0.17	4.97e-05	1.93e-04	0.0
57	44	3.08	12.95	-0.15	-1.59e-04	2.45e-04	0.0
57	48	4.90	2.15	-0.16	-5.24e-05	2.46e-04	0.0
57	73	-1.34	-5.62	-0.17	-9.15e-06	2.08e-04	0.0
57	76	1.34	5.65	-0.16	-1.00e-04	2.30e-04	0.0
57	79	-3.13e-05	0.03	-0.12	-6.74e-05	1.28e-04	0.0
57	80	2.47e-03	0.01	-0.16	-5.46e-05	2.19e-04	0.0
57	83	-2.52e-05	0.03	-0.12	-6.89e-05	1.34e-04	0.0

57	84	3.10e-03	0.01	-0.18	-5.30e-05	2.49e-04	0.0
58	3	-1.51e-04	0.04	-0.16	-1.25e-04	2.40e-04	0.0
58	4	4.19e-03	0.01	-0.25	-8.90e-05	4.11e-04	0.0
58	8	4.23e-03	6.28e-03	-0.21	-6.02e-05	3.56e-04	0.0
58	16	11.70	4.99	-0.16	-6.35e-05	3.41e-04	0.0
58	25	-11.63	-5.97	-0.18	-8.57e-05	1.96e-04	0.0
58	44	3.46	13.01	-0.16	-1.47e-04	3.06e-04	0.0
58	48	5.10	2.18	-0.16	-7.09e-05	3.00e-04	0.0
58	57	-5.07	-2.59	-0.17	-8.05e-05	2.37e-04	0.0
58	76	1.51	5.68	-0.17	-1.07e-04	2.85e-04	0.0
58	79	-1.21e-04	0.03	-0.12	-9.59e-05	1.78e-04	0.0
58	80	2.19e-03	0.01	-0.17	-7.66e-05	2.68e-04	0.0
58	83	-1.17e-04	0.03	-0.12	-9.62e-05	1.83e-04	0.0
58	84	2.78e-03	0.01	-0.18	-7.21e-05	2.97e-04	0.0
59	3	-4.89e-04	0.04	-0.19	2.25e-04	1.85e-04	0.0
59	4	2.92e-03	0.02	-0.27	3.74e-04	2.57e-04	0.0
59	8	3.03e-03	6.65e-03	-0.23	3.22e-04	2.15e-04	0.0
59	23	13.57	-1.90	-0.17	3.03e-04	2.54e-04	0.0
59	38	-3.48	11.80	-0.20	1.85e-04	1.52e-04	0.0
59	44	4.44	12.57	-0.19	2.06e-04	1.97e-04	0.0
59	55	5.91	-0.82	-0.18	2.75e-04	2.12e-04	0.0
59	70	-1.51	5.15	-0.19	2.23e-04	1.67e-04	0.0
59	76	1.94	5.48	-0.19	2.32e-04	1.87e-04	0.0
59	79	-3.78e-04	0.03	-0.14	1.73e-04	1.41e-04	0.0
59	80	1.44e-03	0.01	-0.18	2.53e-04	1.79e-04	0.0
59	83	-3.77e-04	0.03	-0.14	1.73e-04	1.42e-04	0.0
59	84	1.89e-03	0.01	-0.20	2.72e-04	1.90e-04	0.0
60	3	-6.63e-04	0.04	-0.17	1.97e-05	-3.02e-04	0.0
60	4	2.81e-03	0.02	-0.25	9.04e-05	-4.26e-04	0.0
60	8	2.96e-03	9.35e-03	-0.21	8.58e-05	-3.57e-04	0.0
60	16	12.45	2.12	-0.19	-1.06e-05	-2.13e-04	0.0
60	23	12.93	-5.93	-0.18	2.81e-05	-2.16e-04	0.0
60	34	-4.14	13.05	-0.18	6.18e-06	-3.17e-04	0.0
60	48	5.43	0.93	-0.18	2.56e-05	-2.60e-04	0.0
60	55	5.63	-2.57	-0.18	4.24e-05	-2.61e-04	0.0
60	66	-1.80	5.69	-0.17	3.29e-05	-3.05e-04	0.0
60	79	-5.10e-04	0.03	-0.13	1.57e-05	-2.29e-04	0.0
60	80	1.34e-03	0.02	-0.17	5.35e-05	-2.95e-04	0.0
60	83	-5.10e-04	0.03	-0.13	1.53e-05	-2.31e-04	0.0
60	84	1.80e-03	0.02	-0.18	6.25e-05	-3.14e-04	0.0
61	3	-8.26e-04	0.04	-0.17	1.51e-04	-2.45e-04	0.0
61	4	2.29e-03	0.02	-0.24	2.48e-04	-3.32e-04	0.0
61	6	2.48e-03	2.74e-03	-0.20	2.16e-04	-2.72e-04	0.0
61	16	12.87	2.13	-0.19	1.03e-04	-1.43e-04	0.0
61	23	13.63	-5.90	-0.18	1.46e-04	-1.52e-04	0.0
61	34	-4.52	13.03	-0.17	1.15e-04	-2.46e-04	0.0
61	48	5.61	0.94	-0.17	1.41e-04	-1.94e-04	0.0
61	55	5.94	-2.56	-0.17	1.59e-04	-1.98e-04	0.0
61	66	-1.97	5.69	-0.17	1.46e-04	-2.39e-04	0.0
61	78	1.03e-03	0.01	-0.16	1.70e-04	-2.32e-04	0.0
61	79	-6.33e-04	0.03	-0.13	1.18e-04	-1.87e-04	0.0
61	80	1.03e-03	0.02	-0.16	1.69e-04	-2.33e-04	0.0
61	82	1.44e-03	0.01	-0.17	1.83e-04	-2.44e-04	0.0
61	83	-6.35e-04	0.03	-0.13	1.16e-04	-1.88e-04	0.0
61	84	1.44e-03	0.02	-0.18	1.81e-04	-2.46e-04	0.0
62	3	3.88e-04	0.04	-0.11	-4.68e-05	1.26e-04	0.0
62	4	6.45e-03	0.01	-0.19	-3.86e-05	2.77e-04	0.0
62	16	9.35	5.38	-0.12	3.51e-06	2.51e-04	0.0
62	39	3.66	-11.82	-0.16	6.09e-05	1.43e-04	0.0
62	44	1.44	13.34	-0.10	-8.35e-05	2.46e-04	0.0
62	48	4.08	2.35	-0.13	-1.28e-05	2.09e-04	0.0
62	71	1.60	-5.14	-0.15	1.23e-05	1.62e-04	0.0
62	76	0.63	5.82	-0.12	-5.07e-05	2.07e-04	0.0
62	79	2.89e-04	0.03	-0.09	-2.97e-05	9.64e-05	0.0
62	80	3.52e-03	0.01	-0.13	-2.53e-05	1.77e-04	0.0
62	83	2.96e-04	0.03	-0.09	-3.44e-05	9.69e-05	0.0
62	84	4.34e-03	0.01	-0.14	-2.90e-05	1.97e-04	0.0
63	3	4.10e-04	0.04	-0.12	-5.16e-05	1.29e-04	0.0
63	4	6.49e-03	0.01	-0.22	-3.94e-05	2.76e-04	0.0
63	16	9.35	4.92	-0.14	-2.89e-06	2.11e-04	0.0
63	39	3.66	-11.80	-0.18	3.93e-05	1.26e-04	0.0
63	44	1.44	12.95	-0.12	-6.76e-05	2.39e-04	0.0
63	48	4.08	2.15	-0.14	-1.52e-05	1.91e-04	0.0
63	71	1.60	-5.13	-0.16	3.14e-06	1.55e-04	0.0
63	76	0.63	5.65	-0.13	-4.34e-05	2.04e-04	0.0
63	79	3.05e-04	0.03	-0.10	-3.13e-05	9.83e-05	0.0
63	80	3.55e-03	0.01	-0.14	-2.47e-05	1.77e-04	0.0

63	83	3.12e-04	0.03	-0.10	-3.76e-05	9.91e-05	0.0
63	84	4.36e-03	0.01	-0.16	-2.95e-05	1.97e-04	0.0
64	3	3.21e-04	0.04	-0.13	-8.67e-05	1.32e-04	0.0
64	4	6.09e-03	0.01	-0.22	-8.71e-05	2.80e-04	0.0
64	16	9.81	4.92	-0.14	-4.33e-05	2.18e-04	0.0
64	39	3.64	-11.80	-0.17	0.0	1.43e-04	0.0
64	44	1.84	12.95	-0.12	-9.99e-05	2.30e-04	0.0
64	48	4.28	2.15	-0.15	-5.16e-05	1.95e-04	0.0
64	71	1.59	-5.13	-0.16	-3.26e-05	1.63e-04	0.0
64	76	0.80	5.65	-0.14	-7.63e-05	2.00e-04	0.0
64	79	2.37e-04	0.03	-0.10	-5.78e-05	9.88e-05	0.0
64	80	3.31e-03	0.01	-0.15	-5.81e-05	1.78e-04	0.0
64	83	2.45e-04	0.03	-0.10	-6.45e-05	1.01e-04	0.0
64	84	4.09e-03	0.01	-0.16	-6.48e-05	1.99e-04	0.0
65	3	3.19e-04	0.04	-0.12	-6.41e-05	1.43e-04	0.0
65	4	6.10e-03	0.01	-0.20	-5.68e-05	2.99e-04	0.0
65	16	9.82	5.37	-0.12	-1.87e-05	2.65e-04	0.0
65	41	-1.84	-13.31	-0.16	1.67e-05	1.35e-04	0.0
65	44	1.85	13.34	-0.10	-9.44e-05	2.46e-04	0.0
65	48	4.28	2.35	-0.13	-3.01e-05	2.23e-04	0.0
65	73	-0.80	-5.79	-0.15	-1.47e-05	1.66e-04	0.0
65	76	0.81	5.82	-0.12	-6.30e-05	2.15e-04	0.0
65	79	2.35e-04	0.03	-0.09	-4.27e-05	1.07e-04	0.0
65	80	3.32e-03	0.01	-0.13	-3.88e-05	1.90e-04	0.0
65	83	2.43e-04	0.03	-0.09	-4.77e-05	1.09e-04	0.0
65	84	4.10e-03	0.01	-0.14	-4.28e-05	2.13e-04	0.0
66	3	-3.89e-04	0.04	-0.16	-1.26e-04	-2.44e-04	0.0
66	4	3.69e-03	0.02	-0.24	-1.03e-04	-4.01e-04	0.0
66	8	3.78e-03	9.39e-03	-0.21	-7.44e-05	-3.46e-04	0.0
66	16	11.69	2.08	-0.17	-1.46e-04	-2.03e-04	0.0
66	23	11.63	-6.00	-0.18	-9.40e-05	-1.92e-04	0.0
66	34	-3.45	13.08	-0.16	-1.56e-04	-3.02e-04	0.0
66	48	5.10	0.91	-0.17	-1.11e-04	-2.37e-04	0.0
66	55	5.07	-2.61	-0.17	-8.86e-05	-2.33e-04	0.0
66	66	-1.50	5.71	-0.16	-1.16e-04	-2.80e-04	0.0
66	79	-2.99e-04	0.03	-0.12	-9.65e-05	-1.80e-04	0.0
66	80	1.88e-03	0.02	-0.17	-8.44e-05	-2.64e-04	0.0
66	83	-2.99e-04	0.03	-0.12	-9.69e-05	-1.86e-04	0.0
66	84	2.42e-03	0.02	-0.18	-8.18e-05	-2.90e-04	0.0
67	3	-4.18e-04	0.04	-0.14	-6.85e-05	-2.80e-04	0.0
67	4	3.63e-03	0.02	-0.21	-5.29e-05	-4.34e-04	0.0
67	6	3.73e-03	3.36e-03	-0.18	-3.34e-05	-3.60e-04	0.0
67	16	11.68	1.65	-0.16	-1.22e-04	-1.96e-04	0.0
67	23	11.61	-6.72	-0.16	-6.77e-05	-1.94e-04	0.0
67	34	-3.44	13.47	-0.14	-1.10e-04	-3.27e-04	0.0
67	48	5.09	0.73	-0.15	-7.68e-05	-2.50e-04	0.0
67	55	5.06	-2.92	-0.15	-5.31e-05	-2.48e-04	0.0
67	66	-1.50	5.88	-0.14	-7.17e-05	-3.07e-04	0.0
67	78	1.84e-03	0.01	-0.14	-4.09e-05	-2.89e-04	0.0
67	79	-3.21e-04	0.03	-0.10	-5.01e-05	-2.09e-04	0.0
67	80	1.84e-03	0.02	-0.14	-4.18e-05	-2.91e-04	0.0
67	82	2.38e-03	0.01	-0.15	-3.89e-05	-3.09e-04	0.0
67	83	-3.22e-04	0.03	-0.11	-5.21e-05	-2.14e-04	0.0
67	84	2.38e-03	0.02	-0.15	-4.17e-05	-3.16e-04	0.0
68	3	-5.80e-04	0.04	-0.14	-4.76e-05	-3.13e-04	0.0
68	4	3.14e-03	0.02	-0.21	-2.25e-05	-4.56e-04	0.0
68	6	3.27e-03	3.38e-03	-0.18	-8.00e-06	-3.76e-04	0.0
68	16	12.09	1.65	-0.17	-9.43e-05	-2.13e-04	0.0
68	23	12.31	-6.73	-0.16	-4.58e-05	-2.13e-04	0.0
68	34	-3.81	13.47	-0.14	-8.17e-05	-3.45e-04	0.0
68	48	5.27	0.73	-0.15	-5.28e-05	-2.69e-04	0.0
68	55	5.36	-2.92	-0.15	-3.17e-05	-2.69e-04	0.0
68	66	-1.66	5.88	-0.14	-4.73e-05	-3.26e-04	0.0
68	78	1.54e-03	0.01	-0.14	-2.00e-05	-3.10e-04	0.0
68	79	-4.46e-04	0.03	-0.11	-3.42e-05	-2.36e-04	0.0
68	80	1.54e-03	0.02	-0.15	-2.08e-05	-3.12e-04	0.0
68	82	2.03e-03	0.01	-0.15	-1.66e-05	-3.29e-04	0.0
68	83	-4.46e-04	0.03	-0.11	-3.60e-05	-2.40e-04	0.0
68	84	2.03e-03	0.02	-0.16	-1.93e-05	-3.35e-04	0.0
69	3	-5.26e-04	0.04	-0.17	-7.74e-05	-2.98e-04	0.0
69	4	3.25e-03	0.02	-0.25	-3.58e-05	-4.47e-04	0.0
69	8	3.37e-03	9.42e-03	-0.21	-1.80e-05	-3.79e-04	0.0
69	23	12.27	-6.02	-0.18	-5.81e-05	-2.25e-04	0.0
69	28	12.26	1.04	-0.18	-9.67e-05	-2.31e-04	0.0
69	34	-3.79	13.09	-0.17	-9.12e-05	-3.36e-04	0.0
69	55	5.35	-2.61	-0.17	-4.62e-05	-2.69e-04	0.0
69	60	5.34	0.46	-0.18	-6.30e-05	-2.72e-04	0.0

69	66	-1.65	5.71	-0.17	-6.06e-05	-3.18e-04	0.0
69	79	-4.05e-04	0.03	-0.13	-5.92e-05	-2.24e-04	0.0
69	80	1.61e-03	0.02	-0.17	-3.70e-05	-3.03e-04	0.0
69	83	-4.04e-04	0.03	-0.13	-5.95e-05	-2.28e-04	0.0
69	84	2.11e-03	0.02	-0.18	-3.17e-05	-3.27e-04	0.0
70	3	1.59e-04	0.04	-0.18	-9.27e-05	-2.18e-04	0.0
70	4	5.46e-03	0.02	-0.29	-1.02e-04	-3.11e-04	0.0
70	16	10.28	3.07	-0.18	-7.73e-05	-2.33e-04	0.0
70	29	-3.68	-11.77	-0.21	-3.18e-05	-1.98e-04	0.0
70	34	-2.17	12.18	-0.18	-9.48e-05	-2.26e-04	0.0
70	48	4.48	1.35	-0.19	-7.00e-05	-2.23e-04	0.0
70	61	-1.60	-5.12	-0.20	-5.02e-05	-2.08e-04	0.0
70	66	-0.94	5.31	-0.18	-7.76e-05	-2.20e-04	0.0
70	79	1.18e-04	0.03	-0.13	-5.95e-05	-1.66e-04	0.0
70	80	2.95e-03	0.01	-0.19	-6.44e-05	-2.15e-04	0.0
70	83	1.21e-04	0.03	-0.13	-6.84e-05	-1.67e-04	0.0
70	84	3.66e-03	0.01	-0.21	-7.44e-05	-2.29e-04	0.0
71	3	1.44e-04	0.04	-0.15	-1.31e-04	-2.26e-04	0.0
71	4	5.42e-03	0.02	-0.26	-1.40e-04	-3.58e-04	0.0
71	16	10.27	2.60	-0.16	-1.16e-04	-2.20e-04	0.0
71	29	-3.68	-11.82	-0.19	-5.80e-05	-2.29e-04	0.0
71	34	-2.16	12.60	-0.15	-1.23e-04	-2.68e-04	0.0
71	48	4.48	1.14	-0.17	-1.03e-04	-2.32e-04	0.0
71	61	-1.60	-5.14	-0.18	-7.83e-05	-2.35e-04	0.0
71	66	-0.94	5.50	-0.16	-1.07e-04	-2.52e-04	0.0
71	79	1.07e-04	0.03	-0.12	-8.91e-05	-1.70e-04	0.0
71	80	2.92e-03	0.01	-0.17	-9.40e-05	-2.40e-04	0.0
71	83	1.10e-04	0.03	-0.12	-9.77e-05	-1.73e-04	0.0
71	84	3.63e-03	0.01	-0.19	-1.04e-04	-2.61e-04	0.0
72	3	-6.19e-06	0.04	-0.18	-6.77e-05	-2.03e-04	0.0
72	4	4.90e-03	0.02	-0.29	-5.36e-05	-2.97e-04	0.0
72	8	4.90e-03	8.19e-03	-0.25	-3.95e-05	-2.50e-04	0.0
72	16	10.78	3.07	-0.19	-4.87e-05	-2.17e-04	0.0
72	29	-3.63	-11.77	-0.21	2.13e-05	-1.84e-04	0.0
72	34	-2.62	12.18	-0.18	-9.62e-05	-2.23e-04	0.0
72	48	4.70	1.34	-0.19	-4.15e-05	-2.10e-04	0.0
72	61	-1.58	-5.12	-0.20	-1.10e-05	-1.96e-04	0.0
72	66	-1.14	5.32	-0.19	-6.22e-05	-2.13e-04	0.0
72	79	-8.02e-06	0.03	-0.14	-4.35e-05	-1.55e-04	0.0
72	80	2.61e-03	0.01	-0.20	-3.60e-05	-2.05e-04	0.0
72	83	-5.57e-06	0.03	-0.14	-5.00e-05	-1.56e-04	0.0
72	84	3.26e-03	0.01	-0.21	-4.05e-05	-2.18e-04	0.0
73	3	2.12e-04	0.04	-0.16	-1.30e-04	2.21e-04	0.0
73	4	5.62e-03	0.02	-0.26	-1.48e-04	3.48e-04	0.0
73	16	10.27	4.47	-0.17	-9.47e-05	2.65e-04	0.0
73	39	3.61	-11.77	-0.19	-6.20e-05	2.24e-04	0.0
73	44	2.24	12.56	-0.15	-1.27e-04	2.61e-04	0.0
73	48	4.48	1.96	-0.17	-9.68e-05	2.48e-04	0.0
73	71	1.58	-5.12	-0.18	-8.25e-05	2.30e-04	0.0
73	76	0.98	5.48	-0.16	-1.11e-04	2.46e-04	0.0
73	79	1.54e-04	0.03	-0.12	-8.85e-05	1.66e-04	0.0
73	80	3.04e-03	0.01	-0.17	-9.84e-05	2.34e-04	0.0
73	83	1.61e-04	0.03	-0.12	-9.71e-05	1.69e-04	0.0
73	84	3.76e-03	0.01	-0.19	-1.09e-04	2.54e-04	0.0
74	3	1.93e-04	0.04	-0.18	-9.21e-05	2.13e-04	0.0
74	4	5.56e-03	0.02	-0.29	-1.07e-04	2.90e-04	0.0
74	16	10.28	4.00	-0.19	-7.23e-05	1.91e-04	0.0
74	39	3.61	-11.75	-0.21	-3.44e-05	1.87e-04	0.0
74	44	2.24	12.16	-0.18	-9.76e-05	2.13e-04	0.0
74	48	4.48	1.75	-0.19	-6.94e-05	1.98e-04	0.0
74	71	1.58	-5.11	-0.20	-5.29e-05	1.96e-04	0.0
74	76	0.98	5.30	-0.19	-8.04e-05	2.07e-04	0.0
74	79	1.41e-04	0.03	-0.13	-5.91e-05	1.62e-04	0.0
74	80	3.00e-03	0.01	-0.19	-6.72e-05	2.03e-04	0.0
74	83	1.46e-04	0.03	-0.13	-6.80e-05	1.63e-04	0.0
74	84	3.73e-03	0.01	-0.21	-7.81e-05	2.15e-04	0.0
75	3	4.34e-05	0.04	-0.18	-6.70e-05	1.99e-04	0.0
75	4	5.02e-03	0.02	-0.30	-5.84e-05	2.70e-04	0.0
75	16	10.78	4.01	-0.20	-6.06e-05	1.87e-04	0.0
75	39	3.59	-11.75	-0.21	1.92e-05	1.70e-04	0.0
75	44	2.67	12.16	-0.18	-9.88e-05	2.07e-04	0.0
75	48	4.70	1.75	-0.20	-4.81e-05	1.89e-04	0.0
75	71	1.56	-5.11	-0.20	-1.33e-05	1.81e-04	0.0
75	76	1.17	5.31	-0.19	-6.47e-05	1.97e-04	0.0
75	79	2.68e-05	0.03	-0.14	-4.30e-05	1.51e-04	0.0
75	80	2.68e-03	0.01	-0.20	-3.84e-05	1.90e-04	0.0
75	83	3.17e-05	0.03	-0.14	-4.94e-05	1.52e-04	0.0

75	84	3.35e-03	0.01	-0.22	-4.37e-05	2.00e-04	0.0
76	3	6.50e-05	0.04	-0.16	-5.51e-05	2.11e-04	0.0
76	4	5.08e-03	0.02	-0.27	-4.82e-05	3.36e-04	0.0
76	16	10.78	4.46	-0.18	-3.47e-05	2.90e-04	0.0
76	39	3.59	-11.77	-0.20	4.22e-05	2.33e-04	0.0
76	44	2.67	12.55	-0.16	-9.41e-05	2.53e-04	0.0
76	48	4.70	1.95	-0.18	-3.21e-05	2.53e-04	0.0
76	71	1.56	-5.12	-0.19	1.38e-06	2.28e-04	0.0
76	76	1.16	5.48	-0.17	-5.80e-05	2.37e-04	0.0
76	79	4.21e-05	0.03	-0.12	-3.38e-05	1.57e-04	0.0
76	80	2.72e-03	0.01	-0.18	-3.01e-05	2.24e-04	0.0
76	83	4.81e-05	0.03	-0.13	-4.03e-05	1.61e-04	0.0
76	84	3.39e-03	0.01	-0.20	-3.57e-05	2.44e-04	0.0
77	3	-5.00e-04	0.04	-0.15	2.27e-04	1.31e-04	0.0
77	4	2.64e-03	0.01	-0.22	3.39e-04	1.78e-04	0.0
77	8	2.76e-03	6.31e-03	-0.18	2.86e-04	1.48e-04	0.0
77	18	-13.31	2.12	-0.17	1.65e-04	2.70e-05	0.0
77	23	14.36	-1.13	-0.12	3.05e-04	2.19e-04	0.0
77	44	4.84	12.96	-0.16	1.57e-04	1.32e-04	0.0
77	50	-5.80	0.93	-0.16	2.06e-04	8.24e-05	0.0
77	55	6.26	-0.48	-0.14	2.67e-04	1.66e-04	0.0
77	76	2.11	5.65	-0.15	2.02e-04	1.28e-04	0.0
77	79	-3.91e-04	0.03	-0.11	1.78e-04	9.99e-05	0.0
77	80	1.29e-03	0.01	-0.15	2.38e-04	1.25e-04	0.0
77	83	-3.86e-04	0.03	-0.12	1.75e-04	1.00e-04	0.0
77	84	1.71e-03	0.01	-0.16	2.50e-04	1.32e-04	0.0
78	3	-4.55e-04	0.04	-0.13	1.37e-04	2.57e-05	1.24e-05
78	4	2.46e-03	0.01	-0.19	2.03e-04	3.92e-05	1.84e-05
78	8	2.57e-03	6.29e-03	-0.16	1.70e-04	3.33e-05	1.55e-05
78	23	15.11	-1.14	-0.10	2.21e-04	1.24e-04	-9.33e-03
78	38	-3.43	11.82	-0.16	-3.36e-06	-1.15e-05	-2.73e-04
78	44	5.22	12.95	-0.15	1.89e-05	4.73e-05	-4.72e-03
78	55	6.59	-0.49	-0.12	1.79e-04	6.90e-05	-4.06e-03
78	70	-1.49	5.16	-0.14	8.15e-05	9.99e-06	-1.11e-04
78	76	2.28	5.65	-0.14	9.12e-05	3.56e-05	-2.05e-03
78	79	-3.75e-04	0.03	-0.10	1.12e-04	1.94e-05	9.74e-06
78	80	1.18e-03	0.01	-0.13	1.47e-04	2.66e-05	1.29e-05
78	83	-3.56e-04	0.03	-0.10	1.07e-04	1.97e-05	9.60e-06
78	84	1.59e-03	0.01	-0.14	1.51e-04	2.87e-05	1.36e-05
79	3	-4.16e-04	0.04	-0.13	4.69e-05	3.05e-05	1.38e-05
79	4	2.55e-03	0.01	-0.19	8.92e-05	4.56e-05	2.04e-05
79	8	2.66e-03	6.04e-03	-0.16	7.75e-05	3.87e-05	1.72e-05
79	18	-13.76	1.67	-0.17	-1.18e-05	-7.40e-05	5.57e-03
79	23	15.11	-0.36	-0.09	1.32e-04	1.31e-04	-9.33e-03
79	44	5.22	13.34	-0.15	-2.91e-05	5.38e-05	-4.71e-03
79	50	-5.99	0.73	-0.15	3.07e-05	-1.47e-05	2.43e-03
79	55	6.59	-0.15	-0.11	9.36e-05	7.48e-05	-4.06e-03
79	76	2.28	5.82	-0.14	2.32e-05	4.10e-05	-2.05e-03
79	79	-3.46e-04	0.03	-0.10	4.10e-05	2.30e-05	1.07e-05
79	80	1.24e-03	0.01	-0.13	6.36e-05	3.11e-05	1.43e-05
79	83	-3.26e-04	0.03	-0.10	3.73e-05	2.34e-05	1.06e-05
79	84	1.65e-03	0.01	-0.14	6.55e-05	3.34e-05	1.50e-05
80	3	-1.76e-04	0.04	-0.19	-1.23e-04	-2.37e-04	0.0
80	4	4.32e-03	0.02	-0.30	-9.60e-05	-3.36e-04	0.0
80	8	4.36e-03	8.19e-03	-0.26	-6.79e-05	-2.81e-04	0.0
80	16	11.29	3.05	-0.20	-1.28e-04	-2.30e-04	0.0
80	29	-3.58	-11.77	-0.21	3.46e-05	-2.29e-04	0.0
80	34	-3.08	12.20	-0.19	-1.83e-04	-2.42e-04	0.0
80	48	4.92	1.34	-0.20	-1.00e-04	-2.32e-04	0.0
80	61	-1.56	-5.12	-0.20	-2.95e-05	-2.32e-04	0.0
80	66	-1.34	5.32	-0.20	-1.25e-04	-2.37e-04	0.0
80	79	-1.38e-04	0.03	-0.14	-9.32e-05	-1.81e-04	0.0
80	80	2.26e-03	0.01	-0.20	-7.90e-05	-2.34e-04	0.0
80	83	-1.36e-04	0.03	-0.15	-9.41e-05	-1.82e-04	0.0
80	84	2.86e-03	0.01	-0.22	-7.63e-05	-2.48e-04	0.0
81	3	-4.16e-04	0.04	-0.18	-1.50e-04	-2.40e-04	0.0
81	4	3.56e-03	0.02	-0.28	-1.09e-04	-3.64e-04	0.0
81	8	3.65e-03	8.84e-03	-0.24	-7.37e-05	-3.09e-04	0.0
81	23	11.94	-5.27	-0.19	-1.05e-04	-1.61e-04	0.0
81	28	11.93	1.79	-0.20	-1.49e-04	-1.65e-04	0.0
81	34	-3.61	12.69	-0.19	-1.63e-04	-2.77e-04	0.0
81	55	5.20	-2.29	-0.19	-9.94e-05	-2.09e-04	0.0
81	60	5.20	0.79	-0.19	-1.19e-04	-2.11e-04	0.0
81	66	-1.57	5.54	-0.19	-1.25e-04	-2.60e-04	0.0
81	79	-3.21e-04	0.03	-0.14	-1.18e-04	-1.80e-04	0.0
81	80	1.80e-03	0.01	-0.19	-9.54e-05	-2.46e-04	0.0
81	83	-3.20e-04	0.03	-0.14	-1.16e-04	-1.83e-04	0.0

81	84	2.33e-03	0.01	-0.20	-8.84e-05	-2.66e-04	0.0
82	3	-3.55e-04	0.04	-0.20	-1.59e-04	-2.06e-04	0.0
82	4	3.71e-03	0.02	-0.31	-1.09e-04	-2.93e-04	0.0
82	8	3.79e-03	8.22e-03	-0.26	-7.18e-05	-2.46e-04	0.0
82	23	11.85	-4.42	-0.21	-1.10e-04	-1.72e-04	0.0
82	34	-3.57	12.24	-0.21	-1.57e-04	-2.05e-04	0.0
82	44	3.57	11.29	-0.21	-1.73e-04	-1.85e-04	0.0
82	55	5.16	-1.92	-0.21	-1.03e-04	-1.89e-04	0.0
82	66	-1.55	5.34	-0.21	-1.23e-04	-2.04e-04	0.0
82	76	1.56	4.93	-0.21	-1.30e-04	-1.95e-04	0.0
82	79	-2.75e-04	0.03	-0.15	-1.25e-04	-1.56e-04	0.0
82	80	1.89e-03	0.01	-0.21	-9.77e-05	-2.02e-04	0.0
82	83	-2.73e-04	0.03	-0.16	-1.23e-04	-1.58e-04	0.0
82	84	2.43e-03	0.01	-0.23	-8.95e-05	-2.16e-04	0.0
83	3	1.05e-04	0.04	-0.12	-7.51e-05	-1.84e-04	0.0
83	4	5.28e-03	0.02	-0.20	-6.90e-05	-3.44e-04	0.0
83	16	10.31	1.72	-0.13	-1.01e-04	-1.56e-04	0.0
83	34	-2.19	13.41	-0.11	-1.05e-04	-2.62e-04	0.0
83	35	2.20	-13.38	-0.16	9.03e-06	-1.81e-04	0.0
83	48	4.49	0.76	-0.13	-7.10e-05	-1.93e-04	0.0
83	66	-0.95	5.85	-0.12	-7.26e-05	-2.39e-04	0.0
83	67	0.96	-5.82	-0.15	-2.30e-05	-2.04e-04	0.0
83	79	8.04e-05	0.03	-0.09	-5.11e-05	-1.36e-04	0.0
83	80	2.84e-03	0.02	-0.14	-4.78e-05	-2.22e-04	0.0
83	83	8.07e-05	0.03	-0.10	-5.61e-05	-1.41e-04	0.0
83	84	3.53e-03	0.02	-0.15	-5.20e-05	-2.47e-04	0.0
84	2	5.22e-03	0.01	-0.17	-2.86e-05	-2.13e-04	4.29e-06
84	3	8.07e-05	0.04	-0.11	-4.58e-05	-1.34e-04	0.0
84	4	5.22e-03	0.02	-0.17	-3.61e-05	-2.18e-04	4.10e-06
84	16	10.31	1.24	-0.12	-9.29e-05	-1.21e-05	-5.47e-03
84	34	-2.19	13.85	-0.09	-9.32e-05	-1.87e-04	4.98e-03
84	35	2.20	-13.81	-0.15	4.24e-05	-1.03e-04	-4.98e-03
84	48	4.49	0.55	-0.12	-5.48e-05	-8.69e-05	-2.38e-03
84	66	-0.95	6.04	-0.11	-5.49e-05	-1.63e-04	2.17e-03
84	67	0.96	-6.01	-0.13	4.16e-06	-1.26e-04	-2.17e-03
84	78	2.80e-03	0.01	-0.12	-2.39e-05	-1.44e-04	2.22e-06
84	79	6.27e-05	0.03	-0.08	-3.05e-05	-9.95e-05	0.0
84	80	2.80e-03	0.02	-0.12	-2.54e-05	-1.45e-04	2.18e-06
84	82	3.49e-03	0.01	-0.13	-2.26e-05	-1.55e-04	2.84e-06
84	83	6.22e-05	0.03	-0.08	-3.40e-05	-1.02e-04	0.0
84	84	3.49e-03	0.02	-0.13	-2.76e-05	-1.59e-04	2.71e-06
85	3	-1.17e-04	0.04	-0.11	-4.47e-05	-1.52e-04	0.0
85	4	4.62e-03	0.02	-0.18	-3.44e-05	-2.35e-04	4.38e-06
85	6	4.66e-03	3.98e-03	-0.15	-1.77e-05	-1.94e-04	4.53e-06
85	16	10.79	1.24	-0.13	-9.16e-05	1.32e-05	-5.47e-03
85	23	10.09	-7.43	-0.14	-3.90e-05	3.63e-06	-9.34e-03
85	34	-2.63	13.85	-0.10	-9.50e-05	-2.02e-04	4.98e-03
85	48	4.70	0.55	-0.12	-5.37e-05	-8.27e-05	-2.38e-03
85	55	4.40	-3.23	-0.13	-3.08e-05	-8.69e-05	-4.07e-03
85	66	-1.14	6.04	-0.11	-5.51e-05	-1.77e-04	2.17e-03
85	78	2.45e-03	0.01	-0.12	-2.30e-05	-1.55e-04	2.32e-06
85	79	-8.43e-05	0.03	-0.09	-2.99e-05	-1.12e-04	0.0
85	80	2.44e-03	0.02	-0.12	-2.44e-05	-1.57e-04	2.31e-06
85	82	3.08e-03	0.01	-0.13	-2.16e-05	-1.67e-04	2.95e-06
85	83	-8.84e-05	0.03	-0.09	-3.33e-05	-1.16e-04	0.0
85	84	3.07e-03	0.02	-0.13	-2.64e-05	-1.71e-04	2.90e-06
86	3	-9.00e-05	0.04	-0.13	-6.88e-05	-2.14e-04	0.0
86	4	4.69e-03	0.02	-0.21	-5.90e-05	-3.76e-04	0.0
86	6	4.72e-03	3.32e-03	-0.17	-3.50e-05	-3.16e-04	0.0
86	16	10.78	1.71	-0.14	-9.70e-05	-1.65e-04	0.0
86	34	-2.62	13.42	-0.12	-1.10e-04	-2.73e-04	0.0
86	35	2.63	-13.39	-0.16	2.64e-05	-2.13e-04	0.0
86	48	4.70	0.75	-0.14	-6.60e-05	-2.09e-04	0.0
86	66	-1.14	5.86	-0.13	-7.19e-05	-2.56e-04	0.0
86	67	1.15	-5.83	-0.15	-1.22e-05	-2.30e-04	0.0
86	78	2.48e-03	0.01	-0.14	-4.02e-05	-2.41e-04	0.0
86	79	-6.63e-05	0.03	-0.10	-4.73e-05	-1.56e-04	0.0
86	80	2.48e-03	0.02	-0.14	-4.20e-05	-2.43e-04	0.0
86	82	3.12e-03	0.01	-0.15	-3.89e-05	-2.62e-04	0.0
86	83	-6.85e-05	0.03	-0.10	-5.15e-05	-1.62e-04	0.0
86	84	3.12e-03	0.02	-0.15	-4.50e-05	-2.71e-04	0.0
87	3	1.22e-04	0.04	-0.13	-6.62e-05	2.09e-04	0.0
87	4	5.21e-03	0.01	-0.21	-5.36e-05	3.89e-04	0.0
87	16	10.78	5.37	-0.13	-2.81e-05	3.32e-04	0.0
87	41	-2.67	-13.31	-0.16	2.90e-05	2.19e-04	0.0
87	44	2.68	13.33	-0.12	-1.06e-04	2.79e-04	0.0
87	48	4.70	2.35	-0.14	-3.40e-05	2.85e-04	0.0

87	73	-1.16	-5.79	-0.15	-9.12e-06	2.36e-04	0.0
87	76	1.17	5.82	-0.13	-6.80e-05	2.62e-04	0.0
87	79	8.15e-05	0.03	-0.10	-4.53e-05	1.53e-04	0.0
87	80	2.79e-03	0.01	-0.14	-3.86e-05	2.49e-04	0.0
87	83	9.11e-05	0.03	-0.10	-4.95e-05	1.59e-04	0.0
87	84	3.48e-03	0.01	-0.15	-4.11e-05	2.79e-04	0.0
88	3	9.42e-05	0.04	-0.15	-7.01e-05	1.85e-04	0.0
88	4	5.15e-03	0.01	-0.24	-6.40e-05	3.57e-04	0.0
88	16	10.78	4.91	-0.15	-2.71e-05	2.77e-04	0.0
88	41	-2.66	-12.91	-0.18	1.69e-05	2.06e-04	0.0
88	44	2.67	12.94	-0.14	-1.03e-04	2.45e-04	0.0
88	48	4.70	2.15	-0.16	-3.61e-05	2.48e-04	0.0
88	73	-1.16	-5.62	-0.17	-1.69e-05	2.17e-04	0.0
88	76	1.16	5.65	-0.15	-6.92e-05	2.34e-04	0.0
88	79	6.26e-05	0.03	-0.11	-4.63e-05	1.34e-04	0.0
88	80	2.76e-03	0.01	-0.16	-4.31e-05	2.26e-04	0.0
88	83	7.00e-05	0.03	-0.11	-5.20e-05	1.40e-04	0.0
88	84	3.44e-03	0.01	-0.18	-4.80e-05	2.55e-04	0.0
89	3	-6.36e-04	0.04	-0.12	-3.77e-05	-2.12e-04	2.96e-06
89	4	3.04e-03	0.02	-0.18	-2.42e-05	-2.90e-04	8.63e-06
89	6	3.19e-03	3.89e-03	-0.15	-1.00e-05	-2.36e-04	7.75e-06
89	16	12.09	1.24	-0.15	-8.92e-05	-7.03e-05	-5.47e-03
89	23	12.31	-7.43	-0.15	-3.77e-05	-7.71e-05	-9.34e-03
89	34	-3.81	13.85	-0.12	-8.52e-05	-2.36e-04	4.99e-03
89	48	5.27	0.55	-0.14	-4.90e-05	-1.44e-04	-2.38e-03
89	55	5.36	-3.23	-0.14	-2.66e-05	-1.47e-04	-4.07e-03
89	66	-1.66	6.04	-0.12	-4.73e-05	-2.17e-04	2.18e-03
89	78	1.47e-03	0.01	-0.12	-1.67e-05	-2.00e-04	5.12e-06
89	79	-4.87e-04	0.03	-0.09	-2.52e-05	-2.60e-04	2.14e-06
89	80	1.47e-03	0.02	-0.12	-1.80e-05	-2.01e-04	5.16e-06
89	82	1.96e-03	0.01	-0.13	-1.49e-05	-2.11e-04	5.87e-06
89	83	-4.89e-04	0.03	-0.09	-2.81e-05	-1.63e-04	2.24e-06
89	84	1.96e-03	0.02	-0.13	-1.91e-05	-2.14e-04	6.02e-06
90	3	-8.18e-04	0.04	-0.12	-3.01e-05	-1.99e-04	7.90e-06
90	4	2.53e-03	0.02	-0.18	-1.45e-05	-2.63e-04	1.47e-05
90	6	2.72e-03	3.94e-03	-0.15	-1.86e-06	-2.14e-04	1.26e-05
90	16	12.50	1.24	-0.16	-8.24e-05	-6.52e-05	-5.47e-03
90	23	13.01	-7.43	-0.15	-3.12e-05	-7.32e-05	-9.33e-03
90	34	-4.19	13.85	-0.13	-7.76e-05	-2.13e-04	4.99e-03
90	48	5.45	0.55	-0.14	-4.20e-05	-1.33e-04	-2.38e-03
90	55	5.67	-3.23	-0.14	-1.97e-05	-1.36e-04	-4.06e-03
90	66	-1.82	6.04	-0.13	-4.00e-05	-1.97e-04	2.18e-03
90	78	1.16e-03	0.01	-0.12	-9.57e-06	-1.85e-04	9.47e-06
90	79	-6.27e-04	0.03	-0.09	-1.92e-05	-1.51e-04	5.91e-06
90	80	1.16e-03	0.02	-0.13	-1.09e-05	-1.85e-04	9.53e-06
90	82	1.60e-03	0.01	-0.13	-7.49e-06	-1.93e-04	1.04e-05
90	83	-6.29e-04	0.03	-0.10	-2.22e-05	-1.52e-04	6.03e-06
90	84	1.60e-03	0.02	-0.14	-1.18e-05	-1.95e-04	1.06e-05
91	3	-7.40e-04	0.04	-0.15	0.0	-3.08e-04	0.0
91	4	2.65e-03	0.02	-0.21	3.73e-05	-4.28e-04	0.0
91	6	2.83e-03	3.38e-03	-0.18	4.13e-05	-3.53e-04	0.0
91	16	12.49	1.66	-0.17	-4.96e-05	-1.97e-04	0.0
91	23	12.99	-6.70	-0.17	-2.80e-06	-2.03e-04	0.0
91	34	-4.18	13.46	-0.15	-3.64e-05	-3.22e-04	0.0
91	48	5.44	0.73	-0.16	-9.04e-06	-2.54e-04	0.0
91	55	5.66	-2.91	-0.15	1.14e-05	-2.56e-04	0.0
91	66	-1.82	5.87	-0.15	-3.27e-06	-3.08e-04	0.0
91	78	1.24e-03	0.01	-0.15	2.31e-05	-2.97e-04	0.0
91	79	-5.69e-04	0.03	-0.11	1.89e-06	-2.34e-04	0.0
91	80	1.24e-03	0.02	-0.15	2.23e-05	-2.98e-04	0.0
91	82	1.69e-03	0.01	-0.15	2.82e-05	-3.13e-04	0.0
91	83	-5.69e-04	0.03	-0.11	0.0	-2.36e-04	0.0
91	84	1.69e-03	0.02	-0.16	2.54e-05	-3.16e-04	0.0
92	3	-4.37e-04	0.04	-0.17	1.52e-04	2.44e-04	0.0
92	4	2.99e-03	0.01	-0.24	2.61e-04	3.37e-04	0.0
92	8	3.09e-03	6.31e-03	-0.20	2.25e-04	2.81e-04	0.0
92	18	-12.88	2.11	-0.19	1.11e-04	1.45e-04	0.0
92	23	13.64	-1.11	-0.14	2.38e-04	3.22e-04	0.0
92	44	4.47	12.97	-0.17	1.23e-04	2.48e-04	0.0
92	50	-5.61	0.93	-0.17	1.48e-04	1.96e-04	0.0
92	55	5.94	-0.47	-0.15	2.03e-04	2.73e-04	0.0
92	76	1.95	5.66	-0.17	1.53e-04	2.41e-04	0.0
92	79	-3.38e-04	0.03	-0.13	1.19e-04	1.86e-04	0.0
92	80	1.49e-03	0.01	-0.16	1.77e-04	2.35e-04	0.0
92	83	-3.36e-04	0.03	-0.13	1.18e-04	1.87e-04	0.0
92	84	1.95e-03	0.01	-0.18	1.90e-04	2.49e-04	0.0
93	3	-2.62e-04	0.04	-0.14	-6.83e-05	-2.39e-04	0.0

93	4	4.14e-03	0.02	-0.21	-5.58e-05	-4.00e-04	0.0
93	6	4.21e-03	3.33e-03	-0.17	-3.49e-05	-3.33e-04	0.0
93	16	11.25	1.69	-0.15	-1.11e-04	-1.75e-04	0.0
93	23	10.87	-6.66	-0.16	-5.31e-05	-1.73e-04	0.0
93	34	-3.05	13.44	-0.13	-1.22e-04	-2.94e-04	0.0
93	48	4.90	0.74	-0.14	-7.24e-05	-2.24e-04	0.0
93	55	4.74	-2.89	-0.15	-4.70e-05	-2.23e-04	0.0
93	66	-1.33	5.86	-0.14	-7.70e-05	-2.75e-04	0.0
93	78	2.15e-03	0.01	-0.14	-4.11e-05	-2.59e-04	0.0
93	79	-1.98e-04	0.03	-0.10	-4.89e-05	-1.76e-04	0.0
93	80	2.15e-03	0.02	-0.14	-4.23e-05	-2.61e-04	0.0
93	82	2.74e-03	0.01	-0.15	-3.94e-05	-2.80e-04	0.0
93	83	-2.01e-04	0.03	-0.10	-5.17e-05	-1.82e-04	0.0
93	84	2.74e-03	0.02	-0.15	-4.33e-05	-2.89e-04	0.0
94	3	-4.46e-04	0.04	-0.12	-4.11e-05	-1.96e-04	0.0
94	4	3.56e-03	0.02	-0.18	-2.95e-05	-2.75e-04	4.69e-06
94	6	3.67e-03	3.87e-03	-0.15	-1.45e-05	-2.26e-04	4.63e-06
94	16	11.68	1.24	-0.15	-9.47e-05	-1.93e-05	-5.48e-03
94	19	11.68	-5.84	-0.15	-4.65e-05	-1.78e-05	-5.55e-03
94	34	-3.44	13.85	-0.11	-9.17e-05	-2.33e-04	4.98e-03
94	48	5.09	0.55	-0.13	-5.34e-05	-1.16e-04	-2.39e-03
94	51	5.09	-2.53	-0.13	-3.24e-05	-1.15e-04	-2.42e-03
94	66	-1.50	6.04	-0.12	-5.21e-05	-2.09e-04	2.17e-03
94	78	1.80e-03	0.01	-0.12	-2.03e-05	-1.89e-04	2.37e-06
94	79	-3.41e-04	0.03	-0.09	-2.78e-05	-1.47e-04	0.0
94	80	1.80e-03	0.02	-0.12	-2.16e-05	-1.90e-04	2.39e-06
94	82	2.33e-03	0.01	-0.13	-1.88e-05	-1.99e-04	3.02e-06
94	83	-3.43e-04	0.03	-0.09	-3.07e-05	-1.50e-04	0.0
94	84	2.33e-03	0.02	-0.13	-2.29e-05	-2.04e-04	3.10e-06
95	3	1.74e-04	0.04	-0.19	-6.48e-05	-2.46e-06	0.0
95	4	5.51e-03	0.02	-0.30	-7.26e-05	-1.28e-05	0.0
95	16	10.29	3.54	-0.20	-5.23e-05	-4.02e-05	0.0
95	39	3.61	-11.73	-0.22	-8.48e-06	-2.15e-05	0.0
95	44	2.25	11.75	-0.19	-7.62e-05	-1.01e-05	0.0
95	48	4.49	1.55	-0.20	-4.67e-05	-2.17e-05	0.0
95	71	1.58	-5.10	-0.21	-2.77e-05	-1.35e-05	0.0
95	76	0.98	5.13	-0.20	-5.72e-05	-8.59e-06	0.0
95	79	1.27e-04	0.03	-0.14	-3.83e-05	-1.88e-06	0.0
95	80	2.97e-03	0.01	-0.20	-4.25e-05	-7.39e-06	0.0
95	83	1.32e-04	0.03	-0.14	-4.70e-05	-1.89e-06	0.0
95	84	3.69e-03	0.01	-0.22	-5.22e-05	-8.78e-06	0.0
96	3	2.14e-05	0.04	-0.19	-8.33e-05	-1.94e-06	0.0
96	4	4.97e-03	0.02	-0.31	-7.47e-05	-1.55e-05	0.0
96	16	10.77	3.54	-0.20	-6.86e-05	-4.48e-05	0.0
96	31	2.75	-11.72	-0.22	6.94e-06	-1.28e-05	0.0
96	44	2.66	11.75	-0.19	-1.09e-04	-1.25e-05	0.0
96	48	4.69	1.55	-0.21	-5.88e-05	-2.45e-05	0.0
96	63	1.20	-5.10	-0.21	-2.59e-05	-1.05e-05	0.0
96	76	1.16	5.13	-0.20	-7.66e-05	-1.04e-05	0.0
96	79	1.15e-05	0.03	-0.14	-5.59e-05	-1.48e-06	0.0
96	80	2.65e-03	0.01	-0.21	-5.13e-05	-8.74e-06	0.0
96	83	1.52e-05	0.03	-0.15	-6.21e-05	-1.49e-06	0.0
96	84	3.31e-03	0.01	-0.22	-5.63e-05	-1.06e-05	0.0
97	3	3.22e-04	0.04	-0.17	-7.44e-05	-2.59e-04	0.0
97	4	6.01e-03	0.02	-0.28	-7.49e-05	-3.54e-04	0.0
97	16	9.82	3.07	-0.18	-6.19e-05	-2.71e-04	0.0
97	29	-3.72	-11.77	-0.21	-1.40e-05	-2.29e-04	0.0
97	34	-1.75	12.18	-0.17	-7.37e-05	-2.56e-04	0.0
97	48	4.28	1.35	-0.18	-5.29e-05	-2.58e-04	0.0
97	61	-1.62	-5.12	-0.20	-3.20e-05	-2.40e-04	0.0
97	66	-0.76	5.31	-0.18	-5.80e-05	-2.52e-04	0.0
97	79	2.41e-04	0.03	-0.13	-4.56e-05	-1.97e-04	0.0
97	80	3.27e-03	0.01	-0.19	-4.59e-05	-2.48e-04	0.0
97	83	2.46e-04	0.03	-0.13	-5.43e-05	-1.99e-04	0.0
97	84	4.04e-03	0.01	-0.20	-5.47e-05	-2.62e-04	0.0
98	3	3.13e-04	0.04	-0.14	-8.64e-05	-1.96e-04	2.23e-06
98	4	5.97e-03	0.02	-0.24	-8.18e-05	-2.93e-04	6.99e-06
98	16	9.82	2.61	-0.15	-8.31e-05	-1.50e-04	-5.47e-03
98	29	-3.72	-11.82	-0.18	-7.10e-06	-1.99e-04	-5.30e-04
98	34	-1.74	12.60	-0.14	-9.14e-05	-2.36e-04	4.98e-03
98	48	4.28	1.14	-0.16	-6.67e-05	-1.79e-04	-2.38e-03
98	61	-1.62	-5.14	-0.17	-3.36e-05	-2.00e-04	-2.29e-04
98	66	-0.76	5.50	-0.15	-7.03e-05	-2.16e-04	2.17e-03
98	79	2.36e-04	0.03	-0.11	-5.65e-05	-1.49e-04	1.70e-06
98	80	3.25e-03	0.01	-0.16	-5.40e-05	-2.01e-04	4.24e-06
98	83	2.40e-04	0.03	-0.11	-6.40e-05	-1.50e-04	1.71e-06
98	84	4.01e-03	0.01	-0.17	-6.09e-05	-2.15e-04	4.89e-06

99	3	5.54e-04	0.04	-0.11	-4.67e-05	-1.33e-04	0.0
99	4	6.62e-03	0.02	-0.19	-3.71e-05	-2.85e-04	0.0
99	16	9.35	1.69	-0.12	-8.92e-05	-1.45e-04	0.0
99	29	-3.77	-11.90	-0.16	5.82e-05	-1.45e-04	0.0
99	34	-1.32	13.43	-0.09	-8.08e-05	-2.52e-04	0.0
99	48	4.08	0.75	-0.12	-5.25e-05	-1.66e-04	0.0
99	61	-1.64	-5.18	-0.14	1.17e-05	-1.66e-04	0.0
99	66	-0.57	5.86	-0.11	-4.89e-05	-2.13e-04	0.0
99	79	4.18e-04	0.03	-0.09	-2.93e-05	-1.01e-04	0.0
99	80	3.65e-03	0.02	-0.13	-2.42e-05	-1.83e-04	0.0
99	83	4.24e-04	0.03	-0.09	-3.43e-05	-1.02e-04	0.0
99	84	4.47e-03	0.02	-0.14	-2.79e-05	-2.04e-04	0.0
100	2	6.66e-03	0.01	-0.17	-2.97e-05	-1.87e-04	1.84e-05
100	3	5.72e-04	0.04	-0.10	-4.28e-05	-1.03e-04	5.69e-06
100	4	6.68e-03	0.02	-0.17	-3.75e-05	-1.88e-04	1.82e-05
100	16	9.35	1.24	-0.11	-9.96e-05	-1.02e-05	-5.46e-03
100	34	-1.32	13.85	-0.07	-9.48e-05	-1.83e-04	4.99e-03
100	35	1.33	-13.81	-0.15	4.42e-05	-6.50e-05	-4.97e-03
100	48	4.08	0.55	-0.11	-5.76e-05	-7.43e-05	-2.37e-03
100	66	-0.57	6.04	-0.10	-5.56e-05	-2.14e-04	2.18e-03
100	67	0.58	-6.01	-0.13	5.02e-06	-9.82e-05	-2.16e-03
100	78	3.68e-03	0.01	-0.11	-2.37e-05	-1.24e-04	1.12e-05
100	79	4.31e-04	0.03	-0.08	-2.81e-05	-7.88e-05	4.46e-06
100	80	3.69e-03	0.02	-0.11	-2.53e-05	-1.24e-04	1.12e-05
100	82	4.50e-03	0.01	-0.12	-2.30e-05	-1.35e-04	1.29e-05
100	83	4.38e-04	0.03	-0.08	-3.18e-05	-7.92e-05	4.40e-06
100	84	4.51e-03	0.02	-0.12	-2.82e-05	-1.36e-04	1.28e-05
101	3	3.01e-04	0.04	-0.11	-4.42e-05	-1.13e-04	0.0
101	4	5.86e-03	0.02	-0.17	-3.43e-05	-1.97e-04	6.09e-06
101	16	9.83	1.24	-0.12	-9.25e-05	-9.60e-06	-5.47e-03
101	34	-1.76	13.85	-0.08	-9.22e-05	-1.79e-04	4.98e-03
101	35	1.76	-13.81	-0.15	4.42e-05	-8.00e-05	-4.98e-03
101	48	4.29	0.55	-0.12	-5.38e-05	-7.74e-05	-2.38e-03
101	66	-0.76	6.04	-0.10	-5.37e-05	-1.51e-04	2.17e-03
101	67	0.77	-6.01	-0.13	5.72e-06	-1.08e-04	-2.17e-03
101	79	2.27e-04	0.03	-0.08	-2.92e-05	-8.52e-05	0.0
101	80	3.19e-03	0.02	-0.12	-2.40e-05	-1.30e-04	3.54e-06
101	83	2.30e-04	0.03	-0.08	-3.28e-05	-8.66e-05	0.0
101	84	3.94e-03	0.02	-0.12	-2.62e-05	-1.42e-04	4.16e-06
102	3	3.22e-04	0.04	-0.12	-6.50e-05	-1.49e-04	0.0
102	4	5.94e-03	0.02	-0.19	-5.72e-05	-3.02e-04	0.0
102	16	9.82	1.70	-0.12	-9.55e-05	-1.44e-04	0.0
102	34	-1.75	13.42	-0.10	-9.50e-05	-2.50e-04	0.0
102	35	1.76	-13.39	-0.16	1.66e-05	-1.36e-04	0.0
102	48	4.28	0.75	-0.13	-6.37e-05	-1.72e-04	0.0
102	66	-0.76	5.86	-0.12	-6.35e-05	-2.18e-04	0.0
102	67	0.77	-5.83	-0.14	-1.49e-05	-1.69e-04	0.0
102	79	2.44e-04	0.03	-0.09	-4.33e-05	-1.11e-04	0.0
102	80	3.24e-03	0.02	-0.13	-3.92e-05	-1.93e-04	0.0
102	83	2.47e-04	0.03	-0.09	-4.83e-05	-1.14e-04	0.0
102	84	3.99e-03	0.02	-0.14	-4.32e-05	-2.16e-04	0.0
103	3	-1.36e-04	0.04	-0.20	-1.24e-04	-1.08e-06	0.0
103	4	4.41e-03	0.02	-0.32	-9.36e-05	-1.52e-05	0.0
103	8	4.45e-03	7.65e-03	-0.27	-6.55e-05	-1.49e-05	0.0
103	16	11.27	3.54	-0.21	-1.02e-04	-4.31e-05	0.0
103	31	3.14	-11.72	-0.22	6.95e-06	-1.28e-05	0.0
103	44	3.10	11.76	-0.21	-1.61e-04	-1.29e-05	0.0
103	48	4.91	1.55	-0.21	-8.77e-05	-2.35e-05	0.0
103	63	1.37	-5.10	-0.22	-4.03e-05	-1.03e-05	0.0
103	76	1.35	5.13	-0.21	-1.13e-04	-1.03e-05	0.0
103	79	-1.08e-04	0.03	-0.15	-9.30e-05	0.0	0.0
103	80	2.32e-03	0.01	-0.21	-7.69e-05	-8.35e-06	0.0
103	83	-1.05e-04	0.03	-0.15	-9.47e-05	0.0	0.0
103	84	2.93e-03	0.01	-0.23	-7.46e-05	-1.02e-05	0.0
104	3	-1.08e-04	0.04	-0.19	-1.22e-04	2.34e-04	0.0
104	4	4.47e-03	0.02	-0.30	-9.00e-05	3.10e-04	0.0
104	8	4.50e-03	7.14e-03	-0.26	-6.20e-05	2.56e-04	0.0
104	16	11.29	4.03	-0.20	-9.00e-05	2.25e-04	0.0
104	39	3.56	-11.75	-0.21	3.85e-05	2.17e-04	0.0
104	44	3.11	12.18	-0.20	-1.80e-04	2.26e-04	0.0
104	48	4.92	1.76	-0.20	-8.19e-05	2.22e-04	0.0
104	71	1.55	-5.11	-0.21	-2.60e-05	2.18e-04	0.0
104	76	1.36	5.31	-0.20	-1.21e-04	2.22e-04	0.0
104	79	-8.77e-05	0.03	-0.14	-9.29e-05	1.79e-04	0.0
104	80	2.35e-03	0.01	-0.20	-7.57e-05	2.19e-04	0.0
104	83	-8.41e-05	0.03	-0.15	-9.37e-05	1.80e-04	0.0
104	84	2.97e-03	0.01	-0.22	-7.23e-05	2.30e-04	0.0

105	3	-7.54e-04	0.04	-0.17	4.49e-04	0.0	0.0
105	4	2.16e-03	0.02	-0.24	6.39e-04	1.64e-06	0.0
105	6	2.33e-03	8.85e-04	-0.20	5.38e-04	1.74e-06	0.0
105	23	14.32	-3.51	-0.16	4.75e-04	7.64e-05	0.0
105	32	3.39	11.75	-0.18	3.59e-04	2.58e-05	0.0
105	55	6.24	-1.52	-0.16	4.60e-04	3.37e-05	0.0
105	64	1.48	5.13	-0.17	4.09e-04	1.17e-05	0.0
105	78	9.75e-04	0.01	-0.17	4.49e-04	0.0	0.0
105	79	-5.79e-04	0.03	-0.13	3.47e-04	0.0	0.0
105	80	9.75e-04	0.01	-0.17	4.48e-04	0.0	0.0
105	82	1.36e-03	9.51e-03	-0.18	4.74e-04	1.05e-06	0.0
105	83	-5.80e-04	0.03	-0.13	3.46e-04	0.0	0.0
105	84	1.36e-03	0.01	-0.18	4.73e-04	1.05e-06	0.0
106	3	-8.49e-04	0.04	-0.17	4.21e-04	-5.45e-05	0.0
106	4	1.98e-03	0.02	-0.24	6.00e-04	-7.01e-05	0.0
106	6	2.19e-03	1.43e-03	-0.20	5.05e-04	-5.65e-05	0.0
106	23	14.32	-4.30	-0.17	4.32e-04	3.25e-05	0.0
106	32	3.39	11.80	-0.18	3.24e-04	-3.27e-05	0.0
106	34	-4.89	12.18	-0.18	3.35e-04	-8.10e-05	0.0
106	55	6.24	-1.87	-0.17	4.26e-04	-1.38e-05	0.0
106	64	1.48	5.15	-0.17	3.79e-04	-4.22e-05	0.0
106	66	-2.13	5.31	-0.17	3.83e-04	-6.32e-05	0.0
106	78	8.64e-04	0.01	-0.16	4.22e-04	-4.93e-05	0.0
106	79	-6.49e-04	0.03	-0.13	3.26e-04	-4.12e-05	0.0
106	80	8.62e-04	0.01	-0.16	4.21e-04	-4.95e-05	0.0
106	82	1.24e-03	9.92e-03	-0.17	4.45e-04	-5.14e-05	0.0
106	83	-6.52e-04	0.03	-0.13	3.24e-04	-4.17e-05	0.0
106	84	1.24e-03	0.01	-0.18	4.44e-04	-5.21e-05	0.0
107	3	-9.80e-04	0.04	-0.14	2.83e-04	-5.50e-06	-3.85e-06
107	4	1.38e-03	0.02	-0.19	3.89e-04	-8.32e-06	0.0
107	6	1.61e-03	1.38e-03	-0.16	3.32e-04	-6.18e-06	1.30e-06
107	23	15.11	-4.30	-0.13	3.12e-04	8.62e-05	-9.34e-03
107	32	3.34	11.80	-0.16	1.36e-04	2.42e-05	5.32e-04
107	34	-5.31	12.18	-0.16	1.43e-04	-3.25e-05	4.98e-03
107	55	6.58	-1.87	-0.13	2.94e-04	3.40e-05	-4.07e-03
107	64	1.46	5.15	-0.14	2.17e-04	6.99e-06	2.32e-04
107	66	-2.31	5.31	-0.14	2.20e-04	-1.77e-05	2.17e-03
107	79	-7.51e-04	0.03	-0.10	2.23e-04	-6.42e-06	-2.81e-06
107	80	5.09e-04	0.01	-0.13	2.80e-04	-6.32e-06	0.0
107	82	8.25e-04	9.88e-03	-0.14	2.96e-04	-6.26e-06	0.0
107	83	-7.53e-04	0.03	-0.10	2.19e-04	-6.51e-06	-2.93e-06
107	84	8.23e-04	0.01	-0.14	2.90e-04	-6.39e-06	0.0
108	3	-8.97e-04	0.04	-0.14	3.18e-04	0.0	1.68e-06
108	4	1.60e-03	0.02	-0.19	4.30e-04	2.87e-06	6.30e-06
108	6	1.81e-03	8.21e-04	-0.16	3.62e-04	2.92e-06	5.90e-06
108	23	15.11	-3.51	-0.12	3.41e-04	9.09e-05	-9.34e-03
108	32	3.34	11.75	-0.16	1.97e-04	3.27e-05	5.39e-04
108	55	6.58	-1.52	-0.13	3.23e-04	4.04e-05	-4.07e-03
108	64	1.46	5.13	-0.14	2.59e-04	1.51e-05	2.37e-04
108	79	-6.88e-04	0.03	-0.10	2.48e-04	0.0	1.28e-06
108	80	6.42e-04	0.01	-0.13	3.08e-04	1.47e-06	3.74e-06
108	82	9.75e-04	9.46e-03	-0.14	3.24e-04	1.88e-06	4.36e-06
108	83	-6.90e-04	0.03	-0.10	2.46e-04	0.0	1.29e-06
108	84	9.73e-04	0.01	-0.14	3.20e-04	1.89e-06	4.37e-06
109	3	3.33e-04	0.04	-0.14	-8.58e-05	1.93e-04	1.25e-06
109	4	6.09e-03	0.02	-0.24	-8.62e-05	2.92e-04	5.25e-06
109	16	9.82	4.47	-0.16	-5.06e-05	2.62e-04	-5.47e-03
109	39	3.64	-11.77	-0.18	-8.72e-06	1.98e-04	2.86e-04
109	44	1.84	12.56	-0.14	-9.35e-05	2.35e-04	-4.73e-03
109	48	4.28	1.95	-0.16	-5.38e-05	2.27e-04	-2.38e-03
109	71	1.59	-5.12	-0.17	-3.56e-05	1.99e-04	1.26e-04
109	76	0.80	5.48	-0.15	-7.25e-05	2.15e-04	-2.06e-03
109	79	2.47e-04	0.03	-0.11	-5.61e-05	1.47e-04	0.0
109	80	3.32e-03	0.01	-0.16	-5.63e-05	2.00e-04	3.08e-06
109	83	2.54e-04	0.03	-0.11	-6.36e-05	1.48e-04	0.0
109	84	4.09e-03	0.01	-0.18	-6.38e-05	2.14e-04	3.62e-06
110	3	3.23e-04	0.04	-0.17	-7.41e-05	2.54e-04	0.0
110	4	6.05e-03	0.02	-0.28	-7.85e-05	3.37e-04	0.0
110	16	9.82	4.00	-0.19	-4.83e-05	2.20e-04	0.0
110	39	3.64	-11.75	-0.21	-1.54e-05	2.21e-04	0.0
110	44	1.84	12.16	-0.17	-7.54e-05	2.45e-04	0.0
110	48	4.28	1.75	-0.19	-4.80e-05	2.30e-04	0.0
110	71	1.59	-5.11	-0.20	-3.37e-05	2.30e-04	0.0
110	76	0.80	5.30	-0.18	-5.98e-05	2.41e-04	0.0
110	79	2.40e-04	0.03	-0.13	-4.54e-05	1.93e-04	0.0
110	80	3.29e-03	0.01	-0.19	-4.78e-05	2.38e-04	0.0
110	83	2.47e-04	0.03	-0.13	-5.41e-05	1.95e-04	0.0

110	84	4.06e-03	0.01	-0.20	-5.71e-05	2.50e-04	0.0
111	3	-9.39e-04	0.04	-0.16	3.43e-04	-9.85e-05	0.0
111	4	1.82e-03	0.02	-0.23	4.93e-04	-1.29e-04	0.0
111	6	2.05e-03	2.04e-03	-0.19	4.17e-04	-1.05e-04	0.0
111	23	14.33	-5.09	-0.17	3.44e-04	-5.58e-06	0.0
111	32	3.39	11.85	-0.18	2.41e-04	-5.91e-05	0.0
111	34	-4.89	12.60	-0.17	2.60e-04	-1.12e-04	0.0
111	55	6.24	-2.21	-0.16	3.45e-04	-5.38e-05	0.0
111	64	1.48	5.17	-0.17	3.00e-04	-7.72e-05	0.0
111	66	-2.13	5.50	-0.16	3.09e-04	-1.00e-04	0.0
111	78	7.61e-04	0.01	-0.16	3.47e-04	-9.08e-05	0.0
111	79	-7.15e-04	0.03	-0.12	2.67e-04	-7.49e-05	0.0
111	80	7.59e-04	0.01	-0.16	3.46e-04	-9.11e-05	0.0
111	82	1.13e-03	0.01	-0.17	3.67e-04	-9.49e-05	0.0
111	83	-7.21e-04	0.03	-0.12	2.65e-04	-7.55e-05	0.0
111	84	1.12e-03	0.01	-0.17	3.64e-04	-9.57e-05	0.0
112	3	-1.02e-03	0.04	-0.15	2.25e-04	-1.32e-04	0.0
112	4	1.68e-03	0.02	-0.22	3.29e-04	-1.72e-04	0.0
112	6	1.93e-03	2.71e-03	-0.18	2.82e-04	-1.41e-04	0.0
112	16	13.29	2.14	-0.18	1.59e-04	-2.42e-05	0.0
112	23	14.36	-5.89	-0.16	2.19e-04	-3.92e-05	0.0
112	34	-4.91	13.02	-0.16	1.50e-04	-1.29e-04	0.0
112	48	5.79	0.94	-0.16	2.00e-04	-7.97e-05	0.0
112	55	6.26	-2.56	-0.15	2.27e-04	-8.62e-05	0.0
112	66	-2.14	5.68	-0.15	1.97e-04	-1.25e-04	0.0
112	79	-7.78e-04	0.03	-0.11	1.77e-04	-1.01e-04	0.0
112	80	6.66e-04	0.02	-0.15	2.32e-04	-1.22e-04	0.0
112	82	1.03e-03	0.01	-0.16	2.47e-04	-1.28e-04	0.0
112	83	-7.86e-04	0.03	-0.12	1.74e-04	-1.01e-04	0.0
112	84	1.02e-03	0.02	-0.16	2.44e-04	-1.28e-04	0.0
113	3	-1.34e-03	0.04	-0.13	1.35e-04	-2.62e-05	-9.08e-06
113	4	8.73e-04	0.02	-0.19	2.01e-04	-3.10e-05	-6.65e-06
113	23	15.11	-5.87	-0.15	1.52e-04	7.14e-05	-9.35e-03
113	32	3.34	11.89	-0.17	-5.44e-06	1.65e-05	5.31e-04
113	34	-5.31	13.02	-0.15	1.71e-05	-4.23e-05	4.98e-03
113	55	6.58	-2.55	-0.14	1.48e-04	1.85e-05	-4.08e-03
113	64	1.46	5.19	-0.15	7.96e-05	-5.41e-06	2.28e-04
113	66	-2.31	5.68	-0.14	8.94e-05	-3.10e-05	2.17e-03
113	79	-9.99e-04	0.03	-0.10	1.10e-04	-1.98e-05	-7.20e-06
113	80	1.80e-04	0.02	-0.13	1.45e-04	-2.23e-05	-5.90e-06
113	83	-1.02e-03	0.03	-0.10	1.06e-04	-2.01e-05	-7.04e-06
113	84	4.52e-04	0.02	-0.14	1.49e-04	-2.33e-05	-5.42e-06
114	3	-6.60e-04	0.04	-0.17	4.22e-04	5.33e-05	0.0
114	4	2.34e-03	0.02	-0.24	6.04e-04	7.40e-05	0.0
114	8	2.50e-03	7.02e-03	-0.20	5.06e-04	6.19e-05	0.0
114	23	14.32	-2.71	-0.15	4.65e-04	1.28e-04	0.0
114	38	-3.45	11.78	-0.18	3.27e-04	3.52e-05	0.0
114	44	4.82	12.16	-0.18	3.37e-04	8.36e-05	0.0
114	55	6.24	-1.18	-0.16	4.42e-04	8.47e-05	0.0
114	70	-1.50	5.14	-0.17	3.81e-04	4.43e-05	0.0
114	76	2.10	5.30	-0.17	3.86e-04	6.54e-05	0.0
114	79	-5.09e-04	0.03	-0.13	3.26e-04	4.03e-05	0.0
114	80	1.09e-03	0.01	-0.16	4.23e-04	5.13e-05	0.0
114	83	-5.08e-04	0.03	-0.13	3.25e-04	4.08e-05	0.0
114	84	1.49e-03	0.01	-0.18	4.46e-04	5.46e-05	0.0
115	3	3.29e-04	0.04	-0.13	-8.72e-05	-1.38e-04	0.0
115	4	5.98e-03	0.02	-0.22	-8.30e-05	-2.87e-04	0.0
115	16	9.81	2.15	-0.14	-9.72e-05	-1.68e-04	0.0
115	29	-3.72	-11.86	-0.17	1.35e-06	-1.47e-04	0.0
115	34	-1.74	13.02	-0.12	-9.79e-05	-2.36e-04	0.0
115	48	4.28	0.95	-0.14	-7.39e-05	-1.77e-04	0.0
115	61	-1.62	-5.16	-0.16	-3.10e-05	-1.67e-04	0.0
115	66	-0.76	5.68	-0.13	-7.42e-05	-2.06e-04	0.0
115	79	2.48e-04	0.03	-0.10	-5.82e-05	-1.03e-04	0.0
115	80	3.26e-03	0.02	-0.15	-5.60e-05	-1.83e-04	0.0
115	83	2.52e-04	0.03	-0.10	-6.49e-05	-1.06e-04	0.0
115	84	4.02e-03	0.02	-0.16	-6.21e-05	-2.05e-04	0.0
116	3	1.33e-04	0.04	-0.14	-1.14e-04	-1.77e-04	0.0
116	4	5.37e-03	0.02	-0.23	-1.15e-04	-3.35e-04	0.0
116	16	10.29	2.17	-0.15	-1.15e-04	-1.85e-04	0.0
116	34	-2.17	13.00	-0.13	-1.19e-04	-2.52e-04	0.0
116	35	2.18	-12.97	-0.17	-3.86e-05	-1.78e-04	0.0
116	48	4.48	0.95	-0.15	-9.46e-05	-2.02e-04	0.0
116	66	-0.94	5.67	-0.14	-9.64e-05	-2.31e-04	0.0
116	67	0.95	-5.64	-0.16	-6.13e-05	-1.99e-04	0.0
116	79	1.00e-04	0.03	-0.11	-7.82e-05	-1.31e-04	0.0
116	80	2.90e-03	0.02	-0.15	-7.89e-05	-2.15e-04	0.0

116	83	1.02e-04	0.03	-0.11	-8.53e-05	-1.35e-04	0.0
116	84	3.60e-03	0.02	-0.17	-8.62e-05	-2.40e-04	0.0
117	3	-5.72e-04	0.04	-0.16	3.45e-04	9.64e-05	0.0
117	4	2.51e-03	0.02	-0.23	5.00e-04	1.32e-04	0.0
117	8	2.65e-03	6.63e-03	-0.19	4.20e-04	1.10e-04	0.0
117	23	14.33	-1.92	-0.14	4.08e-04	1.80e-04	0.0
117	38	-3.45	11.80	-0.18	2.46e-04	6.11e-05	0.0
117	44	4.83	12.56	-0.17	2.65e-04	1.14e-04	0.0
117	55	6.25	-0.83	-0.15	3.76e-04	1.31e-04	0.0
117	70	-1.50	5.15	-0.17	3.05e-04	7.89e-05	0.0
117	76	2.10	5.48	-0.16	3.13e-04	1.02e-04	0.0
117	79	-4.45e-04	0.03	-0.12	2.68e-04	7.33e-05	0.0
117	80	1.20e-03	0.01	-0.16	3.51e-04	9.26e-05	0.0
117	83	-4.41e-04	0.03	-0.12	2.66e-04	7.40e-05	0.0
117	84	1.62e-03	0.01	-0.17	3.69e-04	9.80e-05	0.0
118	3	3.22e-04	0.04	-0.18	-5.99e-05	-2.77e-06	0.0
118	4	6.03e-03	0.02	-0.30	-6.14e-05	-1.03e-05	0.0
118	16	9.82	3.54	-0.19	-4.29e-05	-4.38e-05	0.0
118	32	3.73	11.75	-0.18	-6.28e-05	-2.32e-05	0.0
118	39	3.64	-11.73	-0.22	-6.92e-06	-2.18e-05	0.0
118	48	4.28	1.55	-0.20	-3.85e-05	-2.25e-05	0.0
118	64	1.63	5.13	-0.19	-4.71e-05	-1.36e-05	0.0
118	71	1.59	-5.10	-0.21	-2.28e-05	-1.30e-05	0.0
118	79	2.41e-04	0.03	-0.14	-3.43e-05	-2.12e-06	0.0
118	80	3.28e-03	0.01	-0.20	-3.51e-05	-6.14e-06	0.0
118	83	2.46e-04	0.03	-0.14	-4.31e-05	-2.13e-06	0.0
118	84	4.05e-03	0.01	-0.22	-4.42e-05	-7.16e-06	0.0
119	2	6.44e-03	7.77e-03	-0.17	-1.90e-05	1.80e-04	-3.17e-06
119	3	3.87e-04	0.04	-0.10	-3.80e-05	9.44e-05	0.0
119	4	6.45e-03	0.01	-0.17	-2.64e-05	1.81e-04	-2.97e-06
119	16	9.24	5.83	-0.10	8.29e-06	2.57e-04	-5.48e-03
119	41	-1.34	-13.71	-0.16	5.12e-05	5.88e-05	4.73e-03
119	44	1.35	13.74	-0.08	-8.82e-05	1.78e-04	-4.73e-03
119	48	4.03	2.55	-0.11	-6.81e-06	1.79e-04	-2.39e-03
119	73	-0.58	-5.97	-0.13	1.19e-05	9.24e-05	2.06e-03
119	76	0.59	5.99	-0.10	-4.88e-05	1.44e-04	-2.06e-03
119	78	3.52e-03	0.01	-0.12	-1.70e-05	1.18e-04	-1.98e-06
119	79	2.89e-04	0.03	-0.08	-2.46e-05	7.22e-05	0.0
119	80	3.52e-03	0.01	-0.12	-1.85e-05	1.18e-04	-1.94e-06
119	82	4.33e-03	8.30e-03	-0.13	-1.55e-05	1.30e-04	-2.24e-06
119	83	2.96e-04	0.03	-0.08	-2.81e-05	7.25e-05	0.0
119	84	4.34e-03	0.01	-0.13	-2.04e-05	1.30e-04	-2.11e-06
120	3	3.32e-04	0.04	-0.11	-4.14e-05	1.11e-04	3.12e-06
120	4	6.14e-03	0.01	-0.17	-2.59e-05	2.05e-04	7.04e-06
120	16	9.83	5.83	-0.10	2.95e-06	2.67e-04	-5.47e-03
120	41	-1.85	-13.71	-0.15	4.82e-05	8.32e-05	4.73e-03
120	44	1.86	13.74	-0.08	-8.60e-05	1.84e-04	-4.72e-03
120	48	4.29	2.55	-0.11	-9.39e-06	1.92e-04	-2.38e-03
120	73	-0.80	-5.97	-0.13	1.03e-05	1.12e-04	2.06e-03
120	76	0.81	5.99	-0.10	-4.82e-05	1.55e-04	-2.06e-03
120	79	2.44e-04	0.03	-0.08	-2.72e-05	8.32e-05	2.24e-06
120	80	3.34e-03	0.01	-0.12	-1.89e-05	1.34e-04	4.33e-06
120	83	2.52e-04	0.03	-0.08	-3.07e-05	8.46e-05	2.36e-06
120	84	4.12e-03	0.01	-0.13	-2.04e-05	1.48e-04	4.97e-06
121	3	-3.02e-04	0.04	-0.22	-1.20e-04	-1.20e-06	0.0
121	4	3.82e-03	0.02	-0.33	-5.45e-05	-1.12e-05	0.0
121	8	3.89e-03	7.63e-03	-0.28	-2.65e-05	-1.09e-05	0.0
121	23	11.82	-3.51	-0.22	-3.84e-05	-4.04e-06	0.0
121	40	3.55	11.75	-0.22	-1.27e-04	-5.02e-06	0.0
121	44	3.56	11.75	-0.22	-1.27e-04	-4.21e-06	0.0
121	55	5.15	-1.52	-0.22	-5.01e-05	-5.29e-06	0.0
121	72	1.55	5.13	-0.22	-8.87e-05	-5.72e-06	0.0
121	76	1.55	5.13	-0.22	-8.87e-05	-5.37e-06	0.0
121	79	-2.35e-04	0.03	-0.16	-9.41e-05	0.0	0.0
121	80	1.97e-03	0.01	-0.22	-5.91e-05	-6.26e-06	0.0
121	83	-2.33e-04	0.03	-0.16	-9.28e-05	0.0	0.0
121	84	2.52e-03	0.01	-0.24	-4.91e-05	-7.60e-06	0.0
122	3	-9.92e-04	0.04	-0.13	-2.15e-05	-1.50e-04	1.27e-05
122	4	2.02e-03	0.02	-0.19	-4.41e-06	-1.94e-04	2.08e-05
122	6	2.25e-03	4.01e-03	-0.15	6.63e-06	-1.58e-04	1.76e-05
122	16	12.91	1.24	-0.17	-7.62e-05	-2.18e-05	-5.46e-03
122	23	13.71	-7.43	-0.16	-2.39e-05	-3.13e-05	-9.33e-03
122	34	-4.56	13.85	-0.13	-7.12e-05	-1.61e-04	4.99e-03
122	48	5.63	0.55	-0.14	-3.50e-05	-8.70e-05	-2.37e-03
122	55	5.97	-3.23	-0.14	-1.22e-05	-9.12e-05	-4.06e-03
122	66	-1.99	6.04	-0.13	-3.28e-05	-2.18e-04	2.18e-03
122	78	8.47e-04	0.01	-0.13	-1.82e-06	-1.37e-04	1.38e-05

122	79	-7.59e-04	0.03	-0.10	-1.23e-05	-1.14e-04	9.59e-06
122	80	8.45e-04	0.02	-0.13	-3.18e-06	-1.37e-04	1.39e-05
122	82	1.25e-03	0.01	-0.13	0.0	-1.43e-04	1.49e-05
122	83	-7.62e-04	0.03	-0.10	-1.55e-05	-1.15e-04	9.74e-06
122	84	1.24e-03	0.02	-0.14	-4.09e-06	-1.44e-04	1.51e-05
123	3	-9.02e-04	0.04	-0.14	5.53e-05	-2.46e-04	0.0
123	4	2.16e-03	0.02	-0.21	1.06e-04	-3.31e-04	0.0
123	6	2.37e-03	3.40e-03	-0.17	9.75e-05	-2.72e-04	0.0
123	16	12.89	1.68	-0.17	0.0	-1.30e-04	0.0
123	23	13.68	-6.68	-0.16	4.95e-05	-1.40e-04	0.0
123	34	-4.55	13.45	-0.15	9.41e-06	-2.48e-04	0.0
123	48	5.62	0.74	-0.16	4.09e-05	-1.88e-04	0.0
123	55	5.96	-2.90	-0.15	6.25e-05	-1.93e-04	0.0
123	66	-1.98	5.87	-0.15	4.51e-05	-2.40e-04	0.0
123	78	9.40e-04	0.01	-0.14	7.36e-05	-2.32e-04	0.0
123	79	-6.92e-04	0.03	-0.11	4.57e-05	-1.88e-04	0.0
123	80	9.39e-04	0.02	-0.14	7.26e-05	-2.33e-04	0.0
123	82	1.35e-03	0.01	-0.15	8.03e-05	-2.44e-04	0.0
123	83	-6.93e-04	0.03	-0.11	4.33e-05	-1.89e-04	0.0
123	84	1.34e-03	0.02	-0.15	7.69e-05	-2.45e-04	0.0
124	3	-1.09e-03	0.04	-0.14	8.65e-05	-1.34e-04	0.0
124	4	1.59e-03	0.02	-0.20	1.40e-04	-1.75e-04	0.0
124	6	1.85e-03	3.43e-03	-0.16	1.26e-04	-1.43e-04	0.0
124	16	13.31	1.69	-0.17	2.32e-05	-1.94e-05	0.0
124	23	14.39	-6.67	-0.16	8.20e-05	-3.11e-05	0.0
124	34	-4.92	13.44	-0.15	2.13e-05	-1.39e-04	0.0
124	48	5.80	0.74	-0.15	6.61e-05	-7.85e-05	0.0
124	55	6.27	-2.90	-0.15	9.17e-05	-8.37e-05	0.0
124	66	-2.14	5.87	-0.14	6.53e-05	-1.31e-04	0.0
124	79	-8.26e-04	0.03	-0.10	7.07e-05	-1.03e-04	0.0
124	80	6.01e-04	0.02	-0.14	9.93e-05	-1.24e-04	0.0
124	82	9.61e-04	0.01	-0.14	1.08e-04	-1.29e-04	0.0
124	83	-8.33e-04	0.03	-0.11	6.76e-05	-1.03e-04	0.0
124	84	9.51e-04	0.02	-0.15	1.03e-04	-1.30e-04	0.0
125	3	-1.12e-03	0.04	-0.13	-1.77e-05	-7.31e-05	1.42e-05
125	4	1.54e-03	0.02	-0.19	0.0	-9.12e-05	2.31e-05
125	6	1.81e-03	4.13e-03	-0.15	9.72e-06	-7.36e-05	1.95e-05
125	16	13.32	1.24	-0.17	-7.62e-05	5.05e-05	-5.46e-03
125	23	14.41	-7.43	-0.16	-1.96e-05	4.28e-05	-9.33e-03
125	34	-4.94	13.85	-0.14	-7.46e-05	-9.07e-05	5.00e-03
125	48	5.80	0.55	-0.15	-3.33e-05	-1.49e-05	-2.37e-03
125	55	6.28	-3.23	-0.14	-8.57e-06	-1.82e-05	-4.05e-03
125	66	-2.15	6.04	-0.13	-3.25e-05	-7.64e-05	2.19e-03
125	79	-8.54e-04	0.03	-0.10	-9.03e-06	-5.58e-05	1.07e-05
125	80	5.66e-04	0.02	-0.13	0.0	-6.54e-05	1.55e-05
125	82	9.23e-04	0.01	-0.13	3.63e-06	-6.76e-05	1.66e-05
125	83	-8.59e-04	0.03	-0.10	-1.25e-05	-5.61e-05	1.09e-05
125	84	9.16e-04	0.02	-0.14	-1.28e-06	-6.82e-05	1.68e-05
126	3	-1.38e-03	0.04	-0.13	4.43e-05	-3.10e-05	-1.05e-05
126	4	8.33e-04	0.02	-0.19	7.92e-05	-6.15e-05	-8.61e-06
126	16	13.73	1.69	-0.17	-1.86e-05	7.91e-05	-5.48e-03
126	23	15.11	-6.65	-0.15	4.92e-05	7.13e-05	-9.35e-03
126	34	-5.31	13.43	-0.15	-3.60e-05	-4.83e-05	4.97e-03
126	48	5.98	0.75	-0.15	2.44e-05	1.96e-05	-2.39e-03
126	55	6.58	-2.89	-0.14	5.40e-05	1.63e-05	-4.08e-03
126	66	-2.31	5.86	-0.14	1.68e-05	-3.59e-05	2.16e-03
126	79	-1.03e-03	0.03	-0.10	3.91e-05	-2.34e-05	-8.21e-06
126	80	1.50e-04	0.02	-0.13	5.77e-05	-2.63e-05	-7.22e-06
126	83	-1.05e-03	0.03	-0.10	3.53e-05	-2.37e-05	-8.08e-06
126	84	4.22e-04	0.02	-0.14	5.86e-05	-2.74e-05	-6.85e-06
127	3	2.26e-04	0.04	-0.13	-7.31e-05	1.79e-04	0.0
127	4	5.66e-03	0.01	-0.20	-6.69e-05	3.49e-04	0.0
127	16	10.31	5.36	-0.13	-3.03e-05	3.02e-04	0.0
127	41	-2.26	-13.30	-0.16	9.76e-06	1.83e-04	0.0
127	44	2.27	13.33	-0.11	-1.02e-04	2.63e-04	0.0
127	48	4.50	2.34	-0.13	-3.93e-05	2.57e-04	0.0
127	73	-0.98	-5.79	-0.15	-2.18e-05	2.06e-04	0.0
127	76	0.99	5.81	-0.13	-7.06e-05	2.40e-04	0.0
127	79	1.62e-04	0.03	-0.10	-4.95e-05	1.32e-04	0.0
127	80	3.06e-03	0.01	-0.14	-4.62e-05	2.23e-04	0.0
127	83	1.71e-04	0.03	-0.10	-5.46e-05	1.37e-04	0.0
127	84	3.80e-03	0.01	-0.15	-5.04e-05	2.50e-04	0.0
128	3	2.16e-04	0.04	-0.14	-1.13e-04	1.72e-04	0.0
128	4	5.64e-03	0.01	-0.23	-1.21e-04	3.32e-04	0.0
128	16	10.29	4.90	-0.15	-7.10e-05	2.58e-04	0.0
128	41	-2.24	-12.91	-0.18	-4.19e-05	1.77e-04	0.0
128	44	2.25	12.94	-0.13	-1.21e-04	2.48e-04	0.0

128	48	4.48	2.14	-0.15	-7.70e-05	2.32e-04	0.0
128	73	-0.97	-5.62	-0.16	-6.43e-05	1.97e-04	0.0
128	76	0.98	5.64	-0.15	-9.89e-05	2.28e-04	0.0
128	79	1.56e-04	0.03	-0.11	-7.73e-05	1.27e-04	0.0
128	80	3.05e-03	0.01	-0.16	-8.16e-05	2.12e-04	0.0
128	83	1.64e-04	0.03	-0.11	-8.44e-05	1.31e-04	0.0
128	84	3.78e-03	0.01	-0.17	-8.98e-05	2.38e-04	0.0
129	3	-8.15e-04	0.04	-0.14	2.84e-04	7.94e-06	7.21e-06
129	4	1.83e-03	0.02	-0.19	3.87e-04	1.47e-05	1.25e-05
129	6	2.02e-03	3.84e-04	-0.16	3.29e-04	1.27e-05	1.06e-05
129	23	15.11	-2.71	-0.12	3.29e-04	1.01e-04	-9.33e-03
129	38	-3.43	11.78	-0.16	1.35e-04	-2.02e-05	-2.73e-04
129	44	5.22	12.16	-0.16	1.41e-04	3.66e-05	-4.72e-03
129	55	6.58	-1.17	-0.12	3.01e-04	4.96e-05	-4.06e-03
129	70	-1.49	5.14	-0.14	2.16e-04	-3.38e-06	-1.14e-04
129	76	2.28	5.30	-0.14	2.19e-04	2.13e-05	-2.05e-03
129	78	7.87e-04	0.01	-0.13	2.81e-04	9.54e-06	8.13e-06
129	79	-6.24e-04	0.03	-0.10	2.24e-04	5.98e-06	5.36e-06
129	80	7.86e-04	0.01	-0.13	2.79e-04	9.58e-06	8.18e-06
129	82	1.14e-03	9.14e-03	-0.14	2.94e-04	1.04e-05	8.83e-06
129	83	-6.26e-04	0.03	-0.10	2.20e-04	6.07e-06	5.50e-06
129	84	1.14e-03	0.01	-0.14	2.88e-04	1.06e-05	9.03e-06
130	3	4.46e-04	0.04	-0.16	-2.47e-05	2.64e-04	0.0
130	4	6.53e-03	0.02	-0.28	-4.84e-06	3.49e-04	0.0
130	16	9.35	4.00	-0.18	5.28e-06	2.21e-04	0.0
130	39	3.66	-11.75	-0.21	3.67e-05	2.23e-04	0.0
130	44	1.44	12.16	-0.16	-2.49e-05	2.57e-04	0.0
130	48	4.08	1.75	-0.18	3.74e-06	2.36e-04	0.0
130	71	1.60	-5.11	-0.20	1.74e-05	2.37e-04	0.0
130	76	0.63	5.30	-0.18	-9.40e-06	2.51e-04	0.0
130	79	3.33e-04	0.03	-0.13	-8.02e-06	2.02e-04	0.0
130	80	3.58e-03	0.01	-0.19	2.55e-06	2.47e-04	0.0
130	83	3.41e-04	0.03	-0.13	-1.63e-05	2.03e-04	0.0
130	84	4.40e-03	0.01	-0.20	-3.04e-06	2.60e-04	0.0
131	3	4.70e-04	0.04	-0.18	-1.64e-05	-2.88e-06	0.0
131	4	6.55e-03	0.02	-0.29	5.29e-06	-8.84e-06	0.0
131	16	9.35	3.54	-0.19	2.69e-06	-5.01e-05	0.0
131	32	3.77	11.75	-0.18	-1.70e-05	-2.48e-05	0.0
131	39	3.66	-11.73	-0.22	3.80e-05	-2.36e-05	0.0
131	48	4.08	1.55	-0.20	6.95e-06	-2.49e-05	0.0
131	64	1.65	5.13	-0.19	-1.64e-06	-1.39e-05	0.0
131	71	1.60	-5.10	-0.21	2.23e-05	-1.33e-05	0.0
131	79	3.53e-04	0.03	-0.14	-1.32e-06	-2.19e-06	0.0
131	80	3.60e-03	0.01	-0.20	1.02e-05	-5.37e-06	0.0
131	83	3.59e-04	0.03	-0.14	-9.81e-06	-2.21e-06	0.0
131	84	4.41e-03	0.01	-0.21	4.64e-06	-6.18e-06	0.0
132	3	-2.22e-04	0.04	-0.13	-2.72e-05	1.98e-04	-4.56e-06
132	4	3.56e-03	0.01	-0.18	-3.56e-06	2.76e-04	-2.94e-06
132	8	3.61e-03	5.65e-03	-0.16	2.00e-06	2.31e-04	-1.92e-06
132	18	-12.51	1.20	-0.16	-7.50e-05	7.26e-05	5.55e-03
132	23	13.01	0.42	-0.09	6.15e-05	3.05e-04	-9.35e-03
132	44	4.16	13.74	-0.13	-7.00e-05	2.21e-04	-4.73e-03
132	50	-5.45	0.53	-0.14	-3.51e-05	1.40e-04	2.42e-03
132	55	5.67	0.19	-0.11	2.43e-05	2.41e-04	-4.07e-03
132	76	1.81	5.99	-0.13	-3.30e-05	2.05e-04	-2.06e-03
132	79	-1.74e-04	0.03	-0.09	-1.70e-05	1.50e-04	-3.36e-06
132	80	1.84e-03	0.01	-0.13	-4.33e-06	1.92e-04	-2.50e-06
132	83	-1.71e-04	0.03	-0.10	-1.99e-05	1.52e-04	-3.47e-06
132	84	2.35e-03	0.01	-0.13	-4.17e-06	2.04e-04	-2.39e-06
133	3	5.31e-04	0.04	-0.12	-5.20e-05	-1.35e-04	0.0
133	4	6.60e-03	0.02	-0.21	-3.68e-05	-2.85e-04	0.0
133	16	9.35	2.15	-0.13	-7.24e-05	-1.82e-04	0.0
133	29	-3.77	-11.86	-0.17	3.88e-05	-1.31e-04	0.0
133	34	-1.32	13.02	-0.11	-6.60e-05	-2.47e-04	0.0
133	48	4.08	0.95	-0.14	-4.47e-05	-1.82e-04	0.0
133	61	-1.64	-5.16	-0.16	3.75e-06	-1.60e-04	0.0
133	66	-0.57	5.68	-0.13	-4.19e-05	-2.11e-04	0.0
133	79	4.02e-04	0.03	-0.09	-3.14e-05	-1.03e-04	0.0
133	80	3.64e-03	0.02	-0.14	-2.33e-05	-1.83e-04	0.0
133	83	4.07e-04	0.03	-0.09	-3.79e-05	-1.04e-04	0.0
133	84	4.45e-03	0.02	-0.15	-2.77e-05	-2.04e-04	0.0
134	3	1.44e-04	0.04	-0.11	-4.16e-05	1.51e-04	3.82e-06
134	4	5.25e-03	0.01	-0.18	-2.50e-05	2.52e-04	7.89e-06
134	16	10.79	5.83	-0.10	0.0	3.39e-04	-5.47e-03
134	25	-10.10	-7.40	-0.14	-3.33e-05	4.56e-06	9.27e-03
134	44	2.68	13.74	-0.10	-8.81e-05	2.13e-04	-4.72e-03
134	48	4.70	2.55	-0.11	-1.03e-05	2.41e-04	-2.38e-03

134	57	-4.40	-3.22	-0.13	-2.51e-05	9.54e-05	4.04e-03
134	76	1.17	5.99	-0.11	-4.89e-05	1.86e-04	-2.06e-03
134	79	9.57e-05	0.03	-0.09	-2.75e-05	1.12e-04	2.86e-06
134	80	2.82e-03	0.01	-0.12	-1.87e-05	1.66e-04	5.03e-06
134	83	1.07e-04	0.03	-0.09	-3.09e-05	1.15e-04	2.92e-06
134	84	3.51e-03	0.01	-0.13	-1.99e-05	1.82e-04	5.63e-06
135	3	4.94e-04	0.04	-0.16	-2.49e-05	-2.70e-04	0.0
135	4	6.57e-03	0.02	-0.28	-2.56e-06	-3.64e-04	0.0
135	16	9.35	3.07	-0.18	-1.54e-05	-2.89e-04	0.0
135	29	-3.77	-11.77	-0.21	3.72e-05	-2.31e-04	0.0
135	34	-1.32	12.18	-0.16	-2.39e-05	-2.67e-04	0.0
135	48	4.08	1.35	-0.18	-4.62e-06	-2.71e-04	0.0
135	61	-1.64	-5.12	-0.20	1.83e-05	-2.45e-04	0.0
135	66	-0.57	5.31	-0.18	-8.30e-06	-2.61e-04	0.0
135	79	3.72e-04	0.03	-0.13	-8.17e-06	-2.06e-04	0.0
135	80	3.61e-03	0.01	-0.19	3.73e-06	-2.56e-04	0.0
135	83	3.78e-04	0.03	-0.13	-1.64e-05	-2.07e-04	0.0
135	84	4.43e-03	0.01	-0.20	-1.54e-06	-2.70e-04	0.0
136	3	2.49e-04	0.04	-0.11	-4.28e-05	1.33e-04	4.10e-06
136	4	5.72e-03	0.01	-0.18	-2.74e-05	2.33e-04	8.47e-06
136	16	10.31	5.83	-0.10	1.12e-06	2.91e-04	-5.47e-03
136	41	-2.26	-13.71	-0.15	4.65e-05	1.09e-04	4.73e-03
136	44	2.27	13.74	-0.09	-8.67e-05	1.95e-04	-4.72e-03
136	48	4.50	2.55	-0.11	-1.08e-05	2.13e-04	-2.38e-03
136	73	-0.98	-5.97	-0.13	8.95e-06	1.33e-04	2.07e-03
136	76	0.99	5.99	-0.11	-4.91e-05	1.71e-04	-2.06e-03
136	79	1.79e-04	0.03	-0.08	-2.83e-05	9.86e-05	3.00e-06
136	80	3.10e-03	0.01	-0.12	-2.01e-05	1.52e-04	5.34e-06
136	83	1.88e-04	0.03	-0.09	-3.18e-05	1.01e-04	3.12e-06
136	84	3.84e-03	0.01	-0.13	-2.15e-05	1.68e-04	6.03e-06
137	3	-1.54e-03	5.05e-03	-0.13	-1.53e-04	-1.89e-05	2.65e-06
137	4	3.36e-04	-0.04	-0.19	-1.02e-04	-3.32e-05	-1.20e-05
137	6	9.55e-04	-0.05	-0.16	-3.41e-05	-2.94e-05	-1.27e-05
137	13	-11.96	-5.96	-0.15	2.01e-04	-1.39e-03	5.34e-03
137	38	-3.71	12.47	-0.19	-1.60e-03	-4.93e-04	-4.14e-04
137	41	-3.39	-14.37	-0.09	1.44e-03	-3.37e-04	4.82e-03
137	45	-5.21	-2.61	-0.14	4.94e-05	-6.18e-04	2.32e-03
137	70	-1.62	5.42	-0.15	-7.35e-04	-2.27e-04	-1.84e-04
137	73	-1.48	-6.27	-0.11	5.87e-04	-1.59e-04	2.10e-03
137	78	5.86e-05	-0.02	-0.13	-6.02e-05	-2.27e-05	-5.87e-06
137	79	-1.00e-03	2.05e-03	-0.10	-9.46e-05	-1.49e-05	1.96e-06
137	80	0.0	-0.02	-0.13	-6.76e-05	-2.26e-05	-5.84e-06
137	82	3.09e-04	-0.03	-0.14	-5.35e-05	-2.46e-05	-7.82e-06
137	83	-1.14e-03	3.43e-03	-0.10	-1.12e-04	-1.46e-05	2.02e-06
137	84	1.11e-04	-0.03	-0.14	-7.81e-05	-2.42e-05	-7.73e-06
138	3	-3.37e-03	0.07	-0.15	1.78e-04	8.74e-06	1.64e-06
138	4	5.00e-03	0.02	-0.20	2.30e-04	2.94e-05	-1.35e-05
138	6	6.01e-03	-7.73e-03	-0.16	1.66e-04	2.63e-05	-1.38e-05
138	23	15.18	0.27	-0.10	5.09e-04	1.39e-03	-9.39e-03
138	25	-15.16	-7.59	-0.19	6.13e-04	-1.36e-03	9.30e-03
138	44	5.18	14.37	-0.09	-1.35e-03	4.88e-04	-4.84e-03
138	55	6.62	0.13	-0.12	3.06e-04	6.17e-04	-4.10e-03
138	57	-6.60	-3.30	-0.16	3.51e-04	-5.83e-04	4.05e-03
138	76	2.26	6.27	-0.12	-5.02e-04	2.22e-04	-2.11e-03
138	79	-2.43e-03	0.04	-0.11	1.21e-04	5.91e-06	1.34e-06
138	80	2.04e-03	0.02	-0.14	1.49e-04	1.69e-05	-6.75e-06
138	82	3.21e-03	8.65e-03	-0.14	1.51e-04	1.94e-05	-8.75e-06
138	83	-2.55e-03	0.05	-0.11	1.33e-04	6.52e-06	1.28e-06
138	84	3.03e-03	0.02	-0.15	1.68e-04	2.03e-05	-8.84e-06
139	4	4.47e-03	-0.06	-0.19	-6.46e-05	2.02e-05	-1.34e-05
139	6	3.99e-03	-0.06	-0.15	3.73e-06	1.67e-05	-1.37e-05
139	16	11.96	1.42	-0.17	-6.14e-04	1.38e-03	-5.36e-03
139	32	3.73	12.57	-0.19	-1.60e-03	4.92e-04	6.62e-04
139	35	3.38	-14.49	-0.08	1.47e-03	3.21e-04	-5.10e-03
139	48	5.21	0.60	-0.15	-2.95e-04	6.09e-04	-2.34e-03
139	64	1.63	5.46	-0.15	-7.22e-04	2.23e-04	2.85e-04
139	67	1.47	-6.33	-0.11	6.14e-04	1.48e-04	-2.23e-03
139	78	2.34e-03	-0.03	-0.13	-4.03e-05	1.55e-05	-6.65e-06
139	80	2.40e-03	-0.03	-0.13	-4.77e-05	1.53e-05	-6.66e-06
139	82	2.81e-03	-0.04	-0.13	-2.84e-05	1.58e-05	-8.67e-06
139	84	3.02e-03	-0.04	-0.14	-5.31e-05	1.54e-05	-8.72e-06
140	3	1.01e-03	0.07	-0.15	1.77e-04	-1.10e-05	2.75e-06
140	4	9.95e-03	0.02	-0.22	4.89e-04	8.98e-06	-1.22e-05
140	23	15.19	-7.62	-0.20	7.43e-04	1.36e-03	-9.33e-03
140	34	-5.26	14.48	-0.11	-1.18e-03	-4.66e-04	5.07e-03
140	55	6.62	-3.31	-0.17	4.86e-04	5.92e-04	-4.07e-03
140	66	-2.29	6.32	-0.13	-3.54e-04	-2.01e-04	2.20e-03

140	79	6.17e-04	0.04	-0.11	1.20e-04	-7.64e-06	2.00e-06
140	80	5.38e-03	0.02	-0.15	2.87e-04	3.02e-06	-5.98e-06
140	83	7.39e-04	0.05	-0.11	1.32e-04	-8.26e-06	2.09e-06
140	84	6.70e-03	0.02	-0.16	3.40e-04	5.06e-06	-7.88e-06
141	3	-9.16e-04	0.02	-0.11	-2.65e-05	2.18e-05	2.40e-06
141	4	-6.42e-05	6.73e-03	-0.18	-8.92e-06	1.69e-04	3.15e-06
141	13	-11.20	-5.82	-0.14	0.0	-7.87e-05	5.52e-03
141	25	-10.85	-7.41	-0.14	1.25e-05	-7.32e-05	9.30e-03
141	44	3.08	13.70	-0.10	-1.38e-04	1.51e-04	-4.73e-03
141	45	-4.88	-2.53	-0.13	-3.92e-06	1.85e-05	2.41e-03
141	57	-4.73	-3.23	-0.13	1.48e-06	2.09e-05	4.05e-03
141	76	1.34	5.97	-0.11	-6.39e-05	1.19e-04	-2.06e-03
141	79	-6.96e-04	0.02	-0.09	-1.64e-05	1.48e-05	1.78e-06
141	80	-2.42e-04	7.24e-03	-0.12	-7.07e-06	9.36e-05	2.18e-06
141	83	-7.02e-04	0.02	-0.09	-1.94e-05	1.63e-05	1.83e-06
141	84	-1.35e-04	6.48e-03	-0.13	-7.68e-06	1.15e-04	2.33e-06
142	3	-1.56e-03	0.02	-0.13	-3.36e-05	7.09e-06	4.60e-06
142	4	-1.48e-03	6.96e-03	-0.18	2.31e-06	3.25e-05	7.18e-06
142	18	-13.71	1.17	-0.17	-6.74e-05	-1.86e-04	5.60e-03
142	22	-15.07	-0.42	-0.17	-5.00e-05	-1.93e-04	9.38e-03
142	44	5.21	13.70	-0.14	-1.78e-04	9.62e-05	-4.74e-03
142	50	-5.98	0.51	-0.15	-3.07e-05	-7.06e-05	2.44e-03
142	54	-6.57	-0.18	-0.15	-2.31e-05	-7.36e-05	4.09e-03
142	76	2.27	5.97	-0.13	-7.91e-05	5.25e-05	-2.06e-03
142	79	-1.16e-03	0.02	-0.10	-2.15e-05	5.15e-06	3.30e-06
142	80	-1.11e-03	7.38e-03	-0.12	-2.38e-06	1.87e-05	4.68e-06
142	83	-1.19e-03	0.02	-0.10	-2.48e-05	5.38e-06	3.48e-06
142	84	-1.13e-03	6.63e-03	-0.13	0.0	2.23e-05	5.20e-06
143	3	-1.18e-03	0.02	-0.13	-1.31e-04	0.0	4.38e-06
143	4	-7.58e-04	7.47e-03	-0.19	6.23e-06	1.59e-05	1.40e-06
143	22	-15.07	1.92	-0.15	-9.88e-05	-1.62e-04	9.37e-03
143	38	-3.42	11.75	-0.16	-1.95e-04	-4.34e-05	-2.65e-04
143	44	5.21	12.52	-0.15	-1.75e-04	-5.73e-05	-4.73e-03
143	54	-6.57	0.84	-0.14	-5.50e-05	-6.59e-05	4.08e-03
143	70	-1.49	5.13	-0.14	-9.68e-05	-1.42e-05	-1.15e-04
143	76	2.27	5.46	-0.14	-8.83e-05	2.97e-05	-2.06e-03
143	79	-8.84e-04	0.02	-0.10	-9.43e-05	0.0	3.29e-06
143	80	-6.59e-04	7.69e-03	-0.13	-2.12e-05	8.28e-06	1.70e-06
143	83	-9.02e-04	0.02	-0.10	-9.92e-05	0.0	3.35e-06
143	84	-6.20e-04	7.00e-03	-0.14	-7.69e-06	1.05e-05	1.36e-06
144	3	-3.90e-04	0.02	-0.13	-1.32e-04	0.0	-4.00e-06
144	4	6.00e-04	7.75e-03	-0.19	0.0	-9.07e-06	0.0
144	8	6.93e-04	2.39e-03	-0.16	2.95e-05	-9.04e-06	1.54e-06
144	23	15.07	-5.10	-0.13	-6.56e-06	1.63e-04	-9.37e-03
144	32	3.33	11.80	-0.16	-1.99e-04	4.71e-05	5.16e-04
144	34	-5.30	12.56	-0.15	-1.79e-04	-5.36e-05	4.98e-03
144	55	6.56	-2.22	-0.13	-1.67e-05	6.85e-05	-4.08e-03
144	64	1.45	5.14	-0.14	-1.01e-04	1.78e-05	2.25e-04
144	66	-2.31	5.48	-0.14	-9.20e-05	-2.61e-05	2.17e-03
144	77	-3.21e-04	0.02	-0.10	-9.29e-05	0.0	-2.98e-06
144	79	-3.16e-04	0.02	-0.10	-9.49e-05	0.0	-3.01e-06
144	80	2.12e-04	7.85e-03	-0.13	-2.46e-05	-4.78e-06	0.0
144	83	-3.04e-04	0.02	-0.10	-9.98e-05	0.0	-3.06e-06
144	84	3.56e-04	7.18e-03	-0.14	-1.18e-05	-6.04e-06	0.0
145	3	-1.10e-05	0.02	-0.13	-3.63e-05	-7.62e-06	-4.16e-06
145	4	1.30e-03	7.68e-03	-0.19	-6.83e-06	-2.53e-05	-5.09e-06
145	8	1.31e-03	2.35e-03	-0.16	0.0	-2.36e-05	-4.18e-06
145	16	13.68	1.20	-0.18	-7.41e-05	1.90e-04	-5.53e-03
145	23	15.07	-7.45	-0.16	4.42e-05	2.02e-04	-9.39e-03
145	34	-5.30	13.81	-0.14	-1.86e-04	-9.24e-05	4.99e-03
145	48	5.96	0.53	-0.15	-3.67e-05	7.43e-05	-2.41e-03
145	55	6.57	-3.24	-0.14	1.48e-05	7.97e-05	-4.09e-03
145	66	-2.31	6.02	-0.13	-8.54e-05	-4.87e-05	2.17e-03
145	79	-4.54e-05	0.02	-0.10	-2.36e-05	-5.56e-06	-2.97e-06
145	80	6.53e-04	7.79e-03	-0.13	-7.87e-06	-1.50e-05	-3.46e-06
145	83	-1.76e-05	0.02	-0.10	-2.68e-05	-5.78e-06	-3.14e-06
145	84	8.55e-04	7.13e-03	-0.14	-7.20e-06	-1.76e-05	-3.76e-06
146	3	-8.66e-04	0.02	-0.10	-1.55e-04	-6.72e-05	0.0
146	4	2.99e-04	7.41e-03	-0.18	-2.32e-04	-1.77e-04	0.0
146	13	-9.26	-2.10	-0.13	-9.97e-05	-1.57e-04	0.0
146	29	-3.74	-11.83	-0.15	-2.42e-05	-8.15e-05	0.0
146	34	-1.31	12.97	-0.09	-2.78e-04	-1.72e-04	0.0
146	45	-4.04	-0.91	-0.13	-1.31e-04	-1.29e-04	0.0
146	61	-1.63	-5.15	-0.13	-9.82e-05	-9.67e-05	0.0
146	66	-0.57	5.66	-0.11	-2.09e-04	-1.36e-04	0.0
146	79	-6.62e-04	0.02	-0.08	-1.14e-04	-4.99e-05	0.0
146	80	-4.09e-05	7.62e-03	-0.12	-1.55e-04	-1.08e-04	0.0

146	83	-6.65e-04	0.02	-0.08	-1.18e-04	-5.13e-05	0.0
146	84	1.12e-04	6.94e-03	-0.13	-1.69e-04	-1.24e-04	0.0
147	3	-5.05e-04	0.02	-0.11	-2.95e-05	-2.43e-05	-2.16e-06
147	4	7.06e-04	7.42e-03	-0.18	-1.86e-05	-1.60e-04	-1.48e-06
147	8	8.22e-04	2.11e-03	-0.15	-1.25e-05	-1.55e-04	0.0
147	16	11.20	1.20	-0.14	-8.45e-05	7.58e-05	-5.52e-03
147	23	10.84	-7.45	-0.14	6.68e-06	7.71e-05	-9.37e-03
147	34	-3.05	13.81	-0.10	-1.45e-04	-1.46e-04	4.98e-03
147	48	4.88	0.53	-0.13	-4.41e-05	-1.72e-05	-2.41e-03
147	55	4.72	-3.24	-0.13	-4.38e-06	-1.66e-05	-4.08e-03
147	66	-1.33	6.02	-0.11	-7.05e-05	-1.14e-04	2.17e-03
147	77	-3.91e-04	0.02	-0.09	-1.75e-05	-1.61e-05	-1.58e-06
147	79	-3.90e-04	0.02	-0.09	-1.87e-05	-1.67e-05	-1.60e-06
147	80	2.55e-04	7.63e-03	-0.12	-1.29e-05	-8.90e-05	-1.24e-06
147	83	-3.89e-04	0.02	-0.09	-2.17e-05	-1.82e-05	-1.64e-06
147	84	4.18e-04	6.95e-03	-0.13	-1.44e-05	-1.09e-04	-1.19e-06
148	3	-8.92e-04	0.02	-0.11	-3.20e-05	3.46e-05	1.85e-06
148	4	4.05e-05	6.53e-03	-0.18	-1.54e-05	1.80e-04	2.29e-06
148	13	-10.71	-5.82	-0.14	-4.73e-06	-6.47e-05	5.52e-03
148	25	-10.03	-7.41	-0.14	7.51e-06	-5.76e-05	9.30e-03
148	44	2.66	13.70	-0.10	-1.41e-04	1.65e-04	-4.73e-03
148	45	-4.67	-2.53	-0.13	-8.59e-06	2.93e-05	2.41e-03
148	57	-4.37	-3.23	-0.13	-3.25e-06	3.24e-05	4.05e-03
148	76	1.16	5.97	-0.11	-6.79e-05	1.29e-04	-2.06e-03
148	79	-6.78e-04	0.02	-0.08	-2.04e-05	2.44e-05	1.41e-06
148	80	-1.81e-04	7.10e-03	-0.12	-1.16e-05	1.02e-04	1.65e-06
148	83	-6.84e-04	0.02	-0.09	-2.36e-05	2.61e-05	1.42e-06
148	84	-6.25e-05	6.33e-03	-0.13	-1.25e-05	1.23e-04	1.72e-06
149	3	-7.85e-04	0.02	-0.11	-1.20e-04	-1.02e-05	0.0
149	4	4.27e-04	7.51e-03	-0.20	-1.75e-04	-7.87e-05	0.0
149	16	9.26	2.58	-0.12	-1.54e-04	-5.18e-05	0.0
149	29	-3.74	-11.78	-0.16	-4.24e-05	-6.49e-06	0.0
149	34	-1.31	12.56	-0.11	-1.81e-04	-8.32e-05	0.0
149	48	4.04	1.13	-0.13	-1.33e-04	-4.71e-05	0.0
149	61	-1.63	-5.13	-0.14	-8.42e-05	-2.73e-05	0.0
149	66	-0.57	5.48	-0.12	-1.45e-04	-6.08e-05	0.0
149	79	-6.01e-04	0.02	-0.08	-8.67e-05	-6.88e-06	0.0
149	80	4.56e-05	7.69e-03	-0.13	-1.16e-04	-4.34e-05	0.0
149	83	-6.03e-04	0.02	-0.08	-9.07e-05	-7.63e-06	0.0
149	84	2.05e-04	7.01e-03	-0.14	-1.28e-04	-5.33e-05	0.0
150	3	-5.66e-04	0.02	-0.11	-1.18e-04	4.00e-06	0.0
150	4	7.98e-04	7.23e-03	-0.20	-1.74e-04	6.72e-05	0.0
150	6	9.32e-04	-1.57e-03	-0.18	-1.39e-04	6.49e-05	0.0
150	16	9.26	4.46	-0.13	-1.16e-04	4.75e-05	0.0
150	39	3.63	-11.74	-0.16	-4.12e-05	0.0	0.0
150	44	1.42	12.52	-0.11	-1.79e-04	7.44e-05	0.0
150	48	4.04	1.95	-0.13	-1.16e-04	4.09e-05	0.0
150	71	1.58	-5.11	-0.14	-8.31e-05	2.03e-05	0.0
150	76	0.62	5.46	-0.12	-1.43e-04	5.26e-05	0.0
150	79	-4.33e-04	0.02	-0.08	-8.59e-05	2.11e-06	0.0
150	80	2.95e-04	7.53e-03	-0.13	-1.15e-04	3.58e-05	0.0
150	82	4.77e-04	4.50e-03	-0.15	-1.21e-04	4.39e-05	0.0
150	83	-4.35e-04	0.02	-0.08	-8.98e-05	2.84e-06	0.0
150	84	4.75e-04	6.82e-03	-0.15	-1.27e-04	4.50e-05	0.0
151	3	-6.92e-04	0.02	-0.11	3.75e-05	-3.00e-05	0.0
151	4	2.64e-04	7.68e-03	-0.21	1.25e-04	-1.14e-04	0.0
151	22	-12.64	4.36	-0.14	7.55e-05	-1.01e-04	0.0
151	32	3.46	11.76	-0.14	1.76e-05	-5.68e-05	0.0
151	34	-4.01	12.16	-0.14	2.71e-05	-7.73e-05	0.0
151	54	-5.51	1.90	-0.14	7.60e-05	-8.18e-05	0.0
151	64	1.51	5.13	-0.14	5.08e-05	-6.25e-05	0.0
151	66	-1.75	5.30	-0.14	5.49e-05	-7.14e-05	0.0
151	79	-5.30e-04	0.02	-0.09	2.95e-05	-2.23e-05	0.0
151	80	-2.02e-05	7.81e-03	-0.14	7.64e-05	-6.69e-05	0.0
151	83	-5.32e-04	0.02	-0.09	2.90e-05	-2.29e-05	0.0
151	84	1.06e-04	7.14e-03	-0.15	8.76e-05	-7.86e-05	0.0
152	3	-6.49e-04	0.02	-0.11	2.88e-05	1.54e-06	0.0
152	4	3.61e-04	7.67e-03	-0.20	1.06e-04	-9.76e-05	0.0
152	16	12.30	2.55	-0.14	9.08e-06	4.84e-05	0.0
152	23	12.72	-5.15	-0.14	6.25e-05	4.47e-05	0.0
152	34	-4.05	12.59	-0.13	-1.16e-05	-7.44e-05	0.0
152	48	5.36	1.12	-0.13	4.04e-05	-7.85e-06	0.0
152	55	5.54	-2.24	-0.13	6.37e-05	-9.45e-06	0.0
152	66	-1.77	5.49	-0.13	3.14e-05	-6.14e-05	0.0
152	79	-4.98e-04	0.02	-0.08	2.33e-05	1.58e-06	0.0
152	80	4.04e-05	7.79e-03	-0.13	6.46e-05	-5.13e-05	0.0
152	83	-4.99e-04	0.02	-0.09	2.24e-05	1.28e-06	0.0

152	84	1.75e-04	7.13e-03	-0.14	7.42e-05	-6.48e-05	0.0
153	1	-6.32e-04	0.02	-0.11	-3.61e-05	8.14e-06	0.0
153	3	-6.29e-04	0.02	-0.11	-4.20e-05	8.08e-06	0.0
153	4	3.49e-04	7.72e-03	-0.19	8.20e-05	-6.44e-05	0.0
153	23	13.51	-5.12	-0.13	3.40e-05	7.79e-05	0.0
153	32	3.41	11.80	-0.14	-7.66e-05	9.56e-06	0.0
153	34	-4.47	12.57	-0.13	-5.51e-05	-5.81e-05	0.0
153	55	5.89	-2.23	-0.13	3.60e-05	1.57e-05	0.0
153	64	1.49	5.15	-0.13	-1.22e-05	-1.41e-05	0.0
153	66	-1.95	5.48	-0.13	-2.84e-06	-4.36e-05	0.0
153	77	-4.87e-04	0.02	-0.08	-2.74e-05	6.26e-06	0.0
153	79	-4.86e-04	0.02	-0.08	-2.86e-05	6.25e-06	0.0
153	80	3.56e-05	7.83e-03	-0.13	3.75e-05	-3.24e-05	0.0
153	81	-4.87e-04	0.02	-0.08	-2.74e-05	6.26e-06	0.0
153	83	-4.84e-04	0.02	-0.09	-3.14e-05	6.22e-06	0.0
153	84	1.68e-04	7.17e-03	-0.14	5.13e-05	-4.21e-05	0.0
154	3	-6.92e-04	0.02	-0.11	-3.40e-05	-3.12e-05	0.0
154	4	2.12e-04	7.75e-03	-0.20	1.18e-04	-9.51e-05	0.0
154	22	-13.48	4.33	-0.13	5.63e-05	-1.08e-04	0.0
154	32	3.41	11.75	-0.14	-2.39e-05	-3.98e-05	0.0
154	34	-4.45	12.14	-0.14	-1.11e-05	-7.06e-05	0.0
154	54	-5.87	1.89	-0.13	5.74e-05	-7.92e-05	0.0
154	64	1.49	5.13	-0.14	2.24e-05	-4.97e-05	0.0
154	66	-1.94	5.29	-0.14	2.80e-05	-6.31e-05	0.0
154	79	-5.31e-04	0.02	-0.09	-2.27e-05	-2.32e-05	0.0
154	80	-4.94e-05	7.85e-03	-0.13	5.82e-05	-5.73e-05	0.0
154	83	-5.32e-04	0.02	-0.09	-2.53e-05	-2.38e-05	0.0
154	84	7.05e-05	7.19e-03	-0.15	7.58e-05	-6.64e-05	0.0
155	3	-8.30e-04	0.02	-0.12	7.46e-05	9.47e-06	0.0
155	4	1.85e-06	7.30e-03	-0.21	1.12e-04	1.22e-04	0.0
155	22	-11.88	1.75	-0.14	3.47e-05	-1.89e-05	0.0
155	25	-11.88	-5.26	-0.14	7.82e-05	-1.89e-05	0.0
155	44	3.60	12.60	-0.14	8.40e-06	9.16e-05	0.0
155	54	-5.18	0.77	-0.14	5.86e-05	2.91e-05	0.0
155	57	-5.18	-2.29	-0.14	7.75e-05	2.91e-05	0.0
155	76	1.57	5.50	-0.14	4.71e-05	7.73e-05	0.0
155	79	-6.33e-04	0.02	-0.09	5.70e-05	6.10e-06	0.0
155	80	-1.89e-04	7.58e-03	-0.14	7.70e-05	6.62e-05	0.0
155	83	-6.37e-04	0.02	-0.09	5.73e-05	6.99e-06	0.0
155	84	-8.26e-05	6.87e-03	-0.15	8.23e-05	8.21e-05	0.0
156	3	-7.81e-04	0.02	-0.12	7.51e-05	8.46e-06	0.0
156	4	1.13e-04	7.46e-03	-0.22	1.07e-04	9.45e-05	0.0
156	22	-11.79	2.60	-0.15	4.93e-05	2.70e-05	0.0
156	25	-11.79	-4.41	-0.15	7.62e-05	2.51e-05	0.0
156	44	3.56	12.17	-0.15	3.17e-05	6.39e-05	0.0
156	54	-5.14	1.14	-0.15	6.33e-05	4.13e-05	0.0
156	57	-5.14	-1.92	-0.15	7.51e-05	4.04e-05	0.0
156	76	1.55	5.31	-0.15	5.57e-05	5.73e-05	0.0
156	79	-5.97e-04	0.02	-0.09	5.73e-05	6.33e-06	0.0
156	80	-1.20e-04	7.68e-03	-0.15	7.42e-05	5.22e-05	0.0
156	83	-6.00e-04	0.02	-0.09	5.77e-05	6.46e-06	0.0
156	84	-3.93e-06	6.99e-03	-0.16	7.88e-05	6.38e-05	0.0
157	3	-7.89e-04	0.02	-0.11	3.75e-05	2.82e-05	0.0
157	4	3.89e-05	7.54e-03	-0.21	1.31e-04	1.09e-04	0.0
157	22	-12.65	2.68	-0.14	4.87e-05	3.00e-05	0.0
157	38	-3.49	11.73	-0.14	2.09e-05	5.38e-05	0.0
157	44	3.99	12.14	-0.14	3.03e-05	7.44e-05	0.0
157	54	-5.51	1.17	-0.14	6.60e-05	4.92e-05	0.0
157	70	-1.52	5.12	-0.14	5.39e-05	5.96e-05	0.0
157	76	1.74	5.29	-0.14	5.80e-05	6.86e-05	0.0
157	79	-6.02e-04	0.02	-0.09	2.95e-05	2.10e-05	0.0
157	80	-1.60e-04	7.73e-03	-0.14	7.94e-05	6.41e-05	0.0
157	83	-6.06e-04	0.02	-0.09	2.90e-05	2.15e-05	0.0
157	84	-5.37e-05	7.04e-03	-0.15	9.13e-05	7.55e-05	0.0
158	3	-8.34e-04	0.02	-0.11	2.94e-05	-3.92e-06	0.0
158	4	-7.33e-05	7.38e-03	-0.20	1.15e-04	9.74e-05	0.0
158	18	-12.32	2.53	-0.14	1.43e-05	-4.94e-05	0.0
158	22	-12.73	1.87	-0.14	1.85e-05	-4.94e-05	0.0
158	44	4.03	12.54	-0.13	-6.00e-06	7.37e-05	0.0
158	50	-5.37	1.11	-0.13	4.55e-05	7.08e-06	0.0
158	54	-5.55	0.82	-0.13	4.73e-05	7.05e-06	0.0
158	76	1.75	5.47	-0.13	3.66e-05	6.07e-05	0.0
158	79	-6.35e-04	0.02	-0.08	2.37e-05	-3.40e-06	0.0
158	80	-2.29e-04	7.63e-03	-0.13	6.96e-05	5.07e-05	0.0
158	83	-6.40e-04	0.02	-0.09	2.29e-05	-3.11e-06	0.0
158	84	-1.33e-04	6.93e-03	-0.14	8.02e-05	6.44e-05	0.0
159	3	-9.10e-04	0.02	-0.12	-2.49e-05	3.90e-06	2.66e-06

159	4	-1.32e-04	6.83e-03	-0.18	-6.99e-06	1.52e-04	4.20e-06
159	13	-11.61	-5.82	-0.15	1.41e-06	-9.74e-05	5.52e-03
159	44	3.43	13.70	-0.11	-1.38e-04	1.35e-04	-4.73e-03
159	45	-5.06	-2.53	-0.13	-2.68e-06	3.21e-06	2.41e-03
159	76	1.49	5.97	-0.12	-6.33e-05	1.04e-04	-2.06e-03
159	79	-6.92e-04	0.02	-0.09	-1.54e-05	1.70e-06	1.93e-06
159	80	-2.77e-04	7.31e-03	-0.12	-5.84e-06	8.09e-05	2.76e-06
159	83	-6.98e-04	0.02	-0.09	-1.82e-05	2.68e-06	2.02e-06
159	84	-1.80e-04	6.55e-03	-0.13	-6.28e-06	1.02e-04	3.05e-06
160	3	-8.85e-04	0.02	-0.12	-4.68e-06	1.23e-05	0.0
160	4	-8.24e-05	6.94e-03	-0.19	1.31e-05	1.74e-04	0.0
160	13	-11.61	-5.41	-0.14	-7.60e-06	-1.10e-05	0.0
160	25	-11.55	-6.71	-0.14	-2.16e-06	-8.69e-06	0.0
160	44	3.43	13.34	-0.12	-5.66e-05	1.28e-04	0.0
160	45	-5.06	-2.35	-0.14	1.63e-06	4.80e-05	0.0
160	57	-5.03	-2.92	-0.14	4.00e-06	4.90e-05	0.0
160	76	1.49	5.82	-0.12	-1.97e-05	1.08e-04	0.0
160	79	-6.74e-04	0.02	-0.09	0.0	7.49e-06	0.0
160	80	-2.46e-04	7.37e-03	-0.13	8.76e-06	9.36e-05	0.0
160	83	-6.79e-04	0.02	-0.09	-2.89e-06	8.97e-06	0.0
160	84	-1.44e-04	6.62e-03	-0.14	8.99e-06	1.17e-04	0.0
161	3	-8.77e-04	0.02	-0.12	-6.53e-06	-1.88e-05	0.0
161	4	-1.51e-04	6.99e-03	-0.19	2.31e-05	1.37e-04	0.0
161	18	-12.03	1.59	-0.15	-4.97e-05	-4.11e-05	0.0
161	22	-12.24	0.28	-0.15	-4.44e-05	-3.83e-05	0.0
161	44	3.78	13.34	-0.12	-5.09e-05	9.34e-05	0.0
161	50	-5.24	0.70	-0.14	-1.39e-05	2.06e-05	0.0
161	54	-5.33	0.13	-0.14	-1.16e-05	2.18e-05	0.0
161	76	1.65	5.82	-0.13	-1.45e-05	7.92e-05	0.0
161	79	-6.68e-04	0.02	-0.09	-2.18e-06	-1.50e-05	0.0
161	80	-2.81e-04	7.40e-03	-0.13	1.36e-05	6.82e-05	0.0
161	83	-6.73e-04	0.02	-0.09	-4.32e-06	-1.46e-05	0.0
161	84	-1.89e-04	6.66e-03	-0.14	1.55e-05	8.94e-05	0.0
162	3	-8.97e-04	0.02	-0.12	-2.60e-05	-1.59e-05	1.95e-06
162	4	-2.00e-04	6.90e-03	-0.18	-4.69e-06	1.27e-04	4.97e-06
162	18	-12.03	1.17	-0.15	-7.76e-05	-1.19e-04	5.60e-03
162	22	-12.25	-0.42	-0.15	-6.50e-05	-1.16e-04	9.37e-03
162	44	3.79	13.70	-0.12	-1.36e-04	1.12e-04	-4.73e-03
162	50	-5.24	0.51	-0.13	-3.65e-05	-1.60e-05	2.44e-03
162	54	-5.34	-0.18	-0.13	-3.11e-05	-1.48e-05	4.09e-03
162	76	1.65	5.97	-0.12	-6.22e-05	8.46e-05	-2.06e-03
162	79	-6.82e-04	0.02	-0.09	-1.62e-05	-1.26e-05	1.38e-06
162	80	-3.11e-04	7.35e-03	-0.12	-4.86e-06	6.36e-05	2.99e-06
162	83	-6.88e-04	0.02	-0.09	-1.91e-05	-1.23e-05	1.47e-06
162	84	-2.24e-04	6.60e-03	-0.13	-4.86e-06	8.29e-05	3.48e-06
163	3	-8.56e-04	0.02	-0.12	2.90e-05	-2.30e-05	0.0
163	4	-9.26e-05	7.15e-03	-0.20	7.06e-05	1.02e-04	0.0
163	18	-12.01	2.02	-0.14	-8.87e-06	-3.33e-05	0.0
163	22	-12.21	1.00	-0.14	-4.96e-06	-3.15e-05	0.0
163	44	3.77	12.98	-0.13	-5.63e-06	6.66e-05	0.0
163	50	-5.23	0.88	-0.14	2.20e-05	1.26e-05	0.0
163	54	-5.32	0.44	-0.14	2.37e-05	1.34e-05	0.0
163	76	1.64	5.66	-0.13	2.34e-05	5.62e-05	0.0
163	79	-6.53e-04	0.02	-0.09	2.36e-05	-1.84e-05	0.0
163	80	-2.45e-04	7.49e-03	-0.13	4.58e-05	4.81e-05	0.0
163	83	-6.57e-04	0.02	-0.09	2.27e-05	-1.79e-05	0.0
163	84	-1.48e-04	6.77e-03	-0.14	5.04e-05	6.52e-05	0.0
164	3	-8.73e-04	0.02	-0.12	-1.29e-06	-4.90e-05	0.0
164	4	-1.82e-04	7.21e-03	-0.20	6.92e-05	5.61e-05	0.0
164	18	-12.41	2.06	-0.14	-2.36e-05	-6.96e-05	0.0
164	22	-12.88	1.08	-0.14	-1.99e-05	-6.71e-05	0.0
164	44	4.10	12.94	-0.13	-1.72e-05	3.07e-05	0.0
164	50	-5.41	0.90	-0.14	1.17e-05	-1.97e-05	0.0
164	54	-5.61	0.47	-0.14	1.33e-05	-1.86e-05	0.0
164	76	1.79	5.64	-0.13	1.45e-05	2.40e-05	0.0
164	79	-6.64e-04	0.02	-0.09	1.39e-06	-3.72e-05	0.0
164	80	-2.95e-04	7.53e-03	-0.13	3.90e-05	1.88e-05	0.0
164	83	-6.70e-04	0.02	-0.09	0.0	-3.75e-05	0.0
164	84	-2.09e-04	6.81e-03	-0.14	4.66e-05	3.25e-05	0.0
165	3	-7.39e-04	0.02	-0.12	3.37e-05	-1.26e-06	0.0
165	4	1.55e-04	7.64e-03	-0.22	1.26e-04	-4.47e-06	0.0
165	22	-12.61	3.53	-0.14	6.15e-05	-2.05e-05	0.0
165	34	-3.99	11.71	-0.15	2.71e-05	-8.09e-06	0.0
165	44	3.97	11.71	-0.15	2.70e-05	2.54e-06	0.0
165	54	-5.50	1.54	-0.14	6.97e-05	-1.04e-05	0.0
165	66	-1.74	5.11	-0.14	5.47e-05	-5.03e-06	0.0
165	76	1.73	5.10	-0.14	5.46e-05	0.0	0.0

165	79	-5.65e-04	0.02	-0.09	2.67e-05	0.0	0.0
165	80	-8.80e-05	7.79e-03	-0.14	7.60e-05	-2.67e-06	0.0
165	83	-5.68e-04	0.02	-0.09	2.61e-05	0.0	0.0
165	84	2.86e-05	7.11e-03	-0.16	8.77e-05	-3.11e-06	0.0
166	3	-7.55e-04	0.02	-0.12	-2.94e-05	0.0	0.0
166	4	7.62e-05	7.72e-03	-0.21	1.34e-04	-1.04e-06	0.0
166	22	-13.45	3.52	-0.14	4.67e-05	-3.78e-05	0.0
166	32	3.42	11.71	-0.14	-3.31e-06	1.18e-05	0.0
166	34	-4.44	11.71	-0.14	-3.16e-06	-1.09e-05	0.0
166	54	-5.86	1.54	-0.14	5.85e-05	-1.69e-05	0.0
166	64	1.49	5.11	-0.14	3.68e-05	4.73e-06	0.0
166	66	-1.93	5.11	-0.14	3.68e-05	-5.16e-06	0.0
166	79	-5.77e-04	0.02	-0.09	-1.93e-05	0.0	0.0
166	80	-1.34e-04	7.84e-03	-0.14	6.77e-05	0.0	0.0
166	83	-5.80e-04	0.02	-0.09	-2.18e-05	0.0	0.0
166	84	-2.57e-05	7.17e-03	-0.15	8.70e-05	0.0	0.0
167	3	-8.88e-04	0.02	-0.12	-1.28e-05	3.96e-05	0.0
167	4	-9.90e-06	6.88e-03	-0.19	2.52e-06	1.98e-04	0.0
167	13	-11.18	-5.37	-0.14	-1.08e-05	1.36e-05	0.0
167	25	-10.81	-6.65	-0.14	-5.04e-06	1.53e-05	0.0
167	44	3.06	13.31	-0.12	-6.74e-05	1.54e-04	0.0
167	45	-4.87	-2.34	-0.14	-3.65e-06	6.90e-05	0.0
167	57	-4.71	-2.89	-0.14	-1.15e-06	6.97e-05	0.0
167	76	1.33	5.80	-0.12	-2.83e-05	1.30e-04	0.0
167	79	-6.76e-04	0.02	-0.09	-6.34e-06	2.74e-05	0.0
167	80	-2.08e-04	7.32e-03	-0.13	1.85e-06	1.12e-04	0.0
167	83	-6.82e-04	0.02	-0.09	-8.99e-06	2.97e-05	0.0
167	84	-9.59e-05	6.58e-03	-0.14	1.24e-06	1.35e-04	0.0
168	3	-9.68e-04	0.02	-0.12	-3.83e-05	-2.57e-05	0.0
168	4	-4.71e-04	6.87e-03	-0.18	-6.70e-06	7.02e-05	6.86e-06
168	18	-12.87	1.17	-0.16	-8.65e-05	-1.51e-04	5.59e-03
168	22	-13.66	-0.42	-0.16	-7.41e-05	-1.51e-04	9.37e-03
168	44	4.50	13.70	-0.13	-1.41e-04	7.21e-05	-4.73e-03
168	50	-5.61	0.51	-0.14	-4.24e-05	-4.78e-05	2.44e-03
168	54	-5.95	-0.18	-0.14	-3.70e-05	-4.76e-05	4.09e-03
168	76	1.96	5.97	-0.13	-6.59e-05	4.94e-05	-2.06e-03
168	79	-7.30e-04	0.02	-0.09	-2.51e-05	-1.92e-05	0.0
168	80	-4.66e-04	7.33e-03	-0.12	-8.27e-06	3.19e-05	3.43e-06
168	83	-7.41e-04	0.02	-0.09	-2.84e-05	-1.96e-05	0.0
168	84	-4.10e-04	6.57e-03	-0.13	-7.32e-06	4.43e-05	4.49e-06
169	3	-9.62e-04	0.02	-0.12	-4.40e-05	-4.44e-05	0.0
169	4	-4.28e-04	7.07e-03	-0.19	1.89e-05	5.96e-05	0.0
169	18	-12.86	1.61	-0.15	-7.19e-05	-9.15e-05	0.0
169	22	-13.64	0.31	-0.15	-6.67e-05	-8.77e-05	0.0
169	44	4.49	13.33	-0.13	-6.71e-05	3.45e-05	0.0
169	50	-5.60	0.70	-0.14	-2.90e-05	-2.73e-05	0.0
169	54	-5.94	0.14	-0.14	-2.68e-05	-2.57e-05	0.0
169	76	1.95	5.81	-0.13	-2.70e-05	2.76e-05	0.0
169	79	-7.27e-04	0.02	-0.09	-2.95e-05	-3.32e-05	0.0
169	80	-4.42e-04	7.45e-03	-0.13	4.06e-06	2.22e-05	0.0
169	83	-7.37e-04	0.02	-0.09	-3.27e-05	-3.39e-05	0.0
169	84	-3.81e-04	6.72e-03	-0.14	9.17e-06	3.54e-05	0.0
170	3	-1.13e-03	0.02	-0.13	-6.21e-05	-2.98e-05	0.0
170	4	-7.34e-04	7.12e-03	-0.19	1.44e-05	3.04e-05	0.0
170	18	-13.28	1.62	-0.16	-8.50e-05	-1.07e-04	0.0
170	22	-14.34	0.34	-0.16	-7.92e-05	-1.03e-04	0.0
170	44	4.84	13.31	-0.14	-8.58e-05	2.62e-05	0.0
170	50	-5.79	0.71	-0.14	-3.81e-05	-4.09e-05	0.0
170	54	-6.25	0.15	-0.14	-3.56e-05	-3.93e-05	0.0
170	76	2.11	5.81	-0.13	-3.85e-05	1.70e-05	0.0
170	79	-8.43e-04	0.02	-0.09	-4.27e-05	-2.23e-05	0.0
170	80	-6.34e-04	7.48e-03	-0.13	-1.89e-06	9.84e-06	0.0
170	83	-8.61e-04	0.02	-0.10	-4.65e-05	-2.28e-05	0.0
170	84	-5.99e-04	6.75e-03	-0.14	4.47e-06	1.74e-05	0.0
171	3	-1.14e-03	0.02	-0.13	-4.42e-05	-1.16e-05	0.0
171	4	-7.99e-04	6.81e-03	-0.18	-8.07e-06	4.31e-05	9.14e-06
171	18	-13.29	1.17	-0.17	-9.10e-05	-1.58e-04	5.59e-03
171	22	-14.36	-0.42	-0.17	-7.82e-05	-1.59e-04	9.37e-03
171	44	4.85	13.70	-0.13	-1.48e-04	6.52e-05	-4.73e-03
171	50	-5.79	0.51	-0.14	-4.54e-05	-5.71e-05	2.44e-03
171	54	-6.26	-0.18	-0.14	-3.98e-05	-5.75e-05	4.09e-03
171	76	2.11	5.97	-0.13	-7.01e-05	4.00e-05	-2.06e-03
171	79	-8.51e-04	0.02	-0.09	-2.94e-05	-8.69e-06	0.0
171	80	-6.70e-04	7.29e-03	-0.12	-1.01e-05	2.05e-05	4.84e-06
171	83	-8.70e-04	0.02	-0.10	-3.29e-05	-8.89e-06	0.0
171	84	-6.43e-04	6.53e-03	-0.13	-8.77e-06	2.76e-05	6.10e-06
172	3	-8.19e-04	0.02	-0.11	-3.26e-05	2.99e-05	0.0

172	4	-6.48e-05	7.61e-03	-0.20	1.23e-04	9.54e-05	0.0
172	22	-13.47	2.71	-0.14	1.88e-05	6.42e-06	0.0
172	38	-3.46	11.73	-0.14	-2.02e-05	3.99e-05	0.0
172	44	4.40	12.12	-0.14	-7.65e-06	7.06e-05	0.0
172	54	-5.87	1.18	-0.14	4.27e-05	3.51e-05	0.0
172	70	-1.51	5.12	-0.14	2.57e-05	4.96e-05	0.0
172	76	1.92	5.28	-0.14	3.11e-05	6.30e-05	0.0
172	79	-6.23e-04	0.02	-0.09	-2.17e-05	2.23e-05	0.0
172	80	-2.21e-04	7.78e-03	-0.13	6.11e-05	5.72e-05	0.0
172	83	-6.28e-04	0.02	-0.09	-2.42e-05	2.28e-05	0.0
172	84	-1.26e-04	7.10e-03	-0.15	7.92e-05	6.65e-05	0.0
173	3	-6.19e-04	0.02	-0.12	-3.90e-05	-2.88e-05	0.0
173	4	5.47e-04	7.53e-03	-0.22	-2.87e-05	-1.31e-04	0.0
173	6	6.93e-04	-1.28e-03	-0.19	-1.15e-05	-1.22e-04	0.0
173	16	10.70	2.59	-0.14	-5.37e-05	-2.90e-05	0.0
173	34	-2.60	12.55	-0.13	-9.38e-05	-1.09e-04	0.0
173	35	2.60	-12.54	-0.15	5.63e-05	-4.03e-05	0.0
173	48	4.66	1.13	-0.14	-3.40e-05	-5.49e-05	0.0
173	66	-1.13	5.47	-0.14	-5.15e-05	-9.00e-05	0.0
173	67	1.13	-5.46	-0.15	1.39e-05	-5.98e-05	0.0
173	79	-4.74e-04	0.02	-0.09	-2.43e-05	-2.06e-05	0.0
173	80	1.48e-04	7.71e-03	-0.14	-1.88e-05	-7.49e-05	0.0
173	83	-4.76e-04	0.02	-0.09	-2.86e-05	-2.18e-05	0.0
173	84	3.02e-04	7.03e-03	-0.16	-2.17e-05	-8.97e-05	0.0
174	3	-5.71e-04	0.02	-0.12	-3.35e-05	-6.11e-05	0.0
174	4	6.33e-04	7.45e-03	-0.21	-2.10e-05	-1.83e-04	0.0
174	6	7.66e-04	-1.35e-03	-0.18	-5.80e-06	-1.64e-04	0.0
174	16	10.70	2.13	-0.14	-5.75e-05	-6.11e-05	0.0
174	34	-2.60	12.96	-0.12	-7.02e-05	-1.49e-04	0.0
174	35	2.60	-12.95	-0.15	4.25e-05	-6.81e-05	0.0
174	48	4.66	0.93	-0.14	-3.29e-05	-8.79e-05	0.0
174	66	-1.13	5.65	-0.13	-3.84e-05	-1.26e-04	0.0
174	67	1.13	-5.64	-0.14	1.07e-05	-9.10e-05	0.0
174	79	-4.38e-04	0.02	-0.09	-2.05e-05	-4.38e-05	0.0
174	80	2.04e-04	7.65e-03	-0.14	-1.39e-05	-1.09e-04	0.0
174	83	-4.39e-04	0.02	-0.09	-2.45e-05	-4.62e-05	0.0
174	84	3.64e-04	6.97e-03	-0.15	-1.61e-05	-1.27e-04	0.0
175	3	-5.69e-04	0.02	-0.12	3.83e-06	-6.55e-05	0.0
175	4	5.91e-04	7.51e-03	-0.21	1.33e-05	-1.88e-04	0.0
175	6	7.23e-04	-1.29e-03	-0.18	1.69e-05	-1.68e-04	0.0
175	16	11.17	2.11	-0.14	-3.92e-05	-2.87e-05	0.0
175	34	-3.03	12.98	-0.13	-7.32e-05	-1.50e-04	0.0
175	35	3.03	-12.96	-0.14	9.54e-05	-7.39e-05	0.0
175	48	4.87	0.93	-0.14	-1.08e-05	-7.57e-05	0.0
175	66	-1.32	5.66	-0.13	-2.56e-05	-1.29e-04	0.0
175	67	1.32	-5.64	-0.14	4.78e-05	-9.54e-05	0.0
175	79	-4.37e-04	0.02	-0.09	6.02e-06	-4.66e-05	0.0
175	80	1.82e-04	7.69e-03	-0.14	1.11e-05	-1.12e-04	0.0
175	83	-4.38e-04	0.02	-0.09	3.71e-06	-4.95e-05	0.0
175	84	3.36e-04	7.01e-03	-0.15	1.01e-05	-1.31e-04	0.0
176	3	-8.91e-04	0.02	-0.12	-2.18e-05	-4.09e-05	0.0
176	4	-2.49e-04	7.04e-03	-0.19	2.42e-05	9.59e-05	0.0
176	18	-12.44	1.60	-0.15	-5.76e-05	-7.06e-05	0.0
176	22	-12.93	0.31	-0.15	-5.24e-05	-6.73e-05	0.0
176	44	4.13	13.33	-0.13	-5.50e-05	5.87e-05	0.0
176	50	-5.42	0.70	-0.14	-1.88e-05	-7.05e-06	0.0
176	54	-5.64	0.14	-0.14	-1.65e-05	-5.61e-06	0.0
176	76	1.80	5.81	-0.13	-1.77e-05	4.93e-05	0.0
176	79	-6.77e-04	0.02	-0.09	-1.33e-05	-3.10e-05	0.0
176	80	-3.35e-04	7.43e-03	-0.13	1.12e-05	4.20e-05	0.0
176	83	-6.84e-04	0.02	-0.09	-1.59e-05	-3.14e-05	0.0
176	84	-2.55e-04	6.69e-03	-0.14	1.47e-05	5.99e-05	0.0
177	3	-8.50e-04	0.02	-0.12	5.82e-06	6.16e-05	0.0
177	4	5.79e-05	7.10e-03	-0.21	1.95e-05	1.91e-04	0.0
177	13	-11.18	-4.91	-0.15	1.62e-05	2.15e-05	0.0
177	41	-3.06	-12.90	-0.15	9.82e-05	7.49e-05	0.0
177	44	3.06	12.91	-0.13	-6.86e-05	1.51e-04	0.0
177	45	-4.87	-2.13	-0.14	1.54e-05	7.30e-05	0.0
177	73	-1.33	-5.62	-0.14	5.12e-05	9.63e-05	0.0
177	76	1.33	5.63	-0.13	-2.15e-05	1.29e-04	0.0
177	79	-6.48e-04	0.02	-0.09	7.52e-06	4.36e-05	0.0
177	80	-1.64e-04	7.46e-03	-0.14	1.48e-05	1.13e-04	0.0
177	83	-6.53e-04	0.02	-0.09	5.23e-06	4.65e-05	0.0
177	84	-4.71e-05	6.73e-03	-0.15	1.43e-05	1.33e-04	0.0
178	3	-8.55e-04	0.02	-0.12	3.86e-05	2.01e-05	0.0
178	4	-2.39e-05	7.11e-03	-0.20	5.94e-05	1.52e-04	0.0
178	13	-11.63	-4.97	-0.14	2.59e-05	6.91e-06	0.0

178	25	-11.57	-5.98	-0.14	3.00e-05	8.15e-06	0.0
178	44	3.44	12.97	-0.13	-9.80e-06	1.08e-04	0.0
178	45	-5.07	-2.16	-0.14	3.49e-05	5.01e-05	0.0
178	57	-5.04	-2.60	-0.14	3.67e-05	5.07e-05	0.0
178	76	1.50	5.66	-0.13	1.94e-05	9.40e-05	0.0
178	79	-6.52e-04	0.02	-0.09	3.08e-05	1.31e-05	0.0
178	80	-2.09e-04	7.47e-03	-0.14	4.19e-05	8.35e-05	0.0
178	83	-6.56e-04	0.02	-0.09	3.00e-05	1.49e-05	0.0
178	84	-1.02e-04	6.74e-03	-0.15	4.39e-05	1.03e-04	0.0
179	3	-8.83e-04	0.02	-0.11	-4.14e-05	-9.78e-06	0.0
179	4	-2.11e-04	7.45e-03	-0.19	8.96e-05	6.67e-05	0.0
179	22	-13.52	1.90	-0.14	-2.18e-05	-8.22e-05	0.0
179	38	-3.46	11.76	-0.14	-7.17e-05	-8.79e-06	0.0
179	44	4.43	12.53	-0.13	-5.03e-05	5.89e-05	0.0
179	54	-5.89	0.83	-0.13	1.40e-05	-1.71e-05	0.0
179	70	-1.51	5.13	-0.13	-7.70e-06	1.49e-05	0.0
179	76	1.93	5.46	-0.13	1.61e-06	4.44e-05	0.0
179	79	-6.70e-04	0.02	-0.08	-2.81e-05	-7.55e-06	0.0
179	80	-3.11e-04	7.67e-03	-0.13	4.17e-05	3.32e-05	0.0
179	83	-6.77e-04	0.02	-0.09	-3.09e-05	-7.53e-06	0.0
179	84	-2.29e-04	6.98e-03	-0.14	5.64e-05	4.34e-05	0.0
180	1	-6.16e-04	0.02	-0.11	1.77e-06	4.54e-05	0.0
180	3	-6.16e-04	0.02	-0.11	-2.03e-06	4.62e-05	0.0
180	4	4.42e-04	7.64e-03	-0.19	5.95e-05	-5.21e-05	0.0
180	16	12.39	2.09	-0.14	-2.93e-05	7.06e-05	0.0
180	23	12.87	-5.94	-0.14	1.43e-05	6.12e-05	0.0
180	34	-4.13	13.00	-0.13	-2.31e-05	-2.91e-05	0.0
180	48	5.40	0.91	-0.14	6.19e-06	2.10e-05	0.0
180	55	5.61	-2.58	-0.13	2.52e-05	1.69e-05	0.0
180	66	-1.80	5.67	-0.13	8.90e-06	-2.25e-05	0.0
180	77	-4.74e-04	0.02	-0.09	1.56e-06	3.49e-05	0.0
180	79	-4.74e-04	0.02	-0.09	0.0	3.51e-05	0.0
180	80	8.98e-05	7.77e-03	-0.13	3.36e-05	-1.74e-05	0.0
180	81	-4.74e-04	0.02	-0.09	1.56e-06	3.49e-05	0.0
180	83	-4.74e-04	0.02	-0.09	0.0	3.54e-05	0.0
180	84	2.31e-04	7.10e-03	-0.14	4.01e-05	-3.01e-05	0.0
181	3	-5.78e-04	0.02	-0.12	-4.88e-05	5.45e-05	0.0
181	4	4.68e-04	7.68e-03	-0.19	4.41e-05	-1.50e-05	0.0
181	8	6.02e-04	2.34e-03	-0.16	5.46e-05	-2.73e-05	0.0
181	16	12.81	2.10	-0.15	-5.71e-05	9.89e-05	0.0
181	23	13.58	-5.91	-0.14	-5.76e-06	8.67e-05	0.0
181	34	-4.51	12.99	-0.13	-5.14e-05	-5.52e-06	0.0
181	48	5.58	0.92	-0.14	-1.58e-05	4.53e-05	0.0
181	55	5.92	-2.57	-0.13	6.62e-06	4.00e-05	0.0
181	66	-1.96	5.66	-0.13	-1.33e-05	0.0	0.0
181	77	-4.50e-04	0.02	-0.09	-3.20e-05	4.06e-05	0.0
181	79	-4.49e-04	0.02	-0.09	-3.34e-05	4.09e-05	0.0
181	80	1.09e-04	7.80e-03	-0.13	1.62e-05	3.89e-06	0.0
181	81	-4.50e-04	0.02	-0.09	-3.20e-05	4.06e-05	0.0
181	83	-4.46e-04	0.02	-0.09	-3.65e-05	4.17e-05	0.0
181	84	2.51e-04	7.14e-03	-0.14	2.54e-05	-4.62e-06	0.0
182	3	-3.25e-04	0.02	-0.10	-7.87e-05	2.55e-05	0.0
182	4	1.19e-03	6.54e-03	-0.18	-9.42e-05	1.41e-04	0.0
182	6	1.27e-03	-2.18e-03	-0.16	-6.94e-05	1.33e-04	0.0
182	16	9.26	5.38	-0.11	-4.57e-05	1.56e-04	0.0
182	39	3.63	-11.78	-0.15	4.50e-05	4.42e-05	0.0
182	44	1.42	13.31	-0.09	-1.49e-04	1.52e-04	0.0
182	48	4.04	2.35	-0.12	-5.61e-05	1.13e-04	0.0
182	71	1.58	-5.13	-0.13	-1.66e-05	6.43e-05	0.0
182	76	0.62	5.80	-0.11	-1.01e-04	1.11e-04	0.0
182	78	5.60e-04	6.40e-03	-0.12	-6.27e-05	7.92e-05	0.0
182	79	-2.49e-04	0.02	-0.08	-5.59e-05	1.79e-05	0.0
182	80	5.60e-04	7.09e-03	-0.12	-6.42e-05	7.97e-05	0.0
182	82	7.62e-04	4.01e-03	-0.13	-6.47e-05	9.47e-05	0.0
182	83	-2.50e-04	0.02	-0.08	-5.94e-05	1.92e-05	0.0
182	84	7.61e-04	6.33e-03	-0.13	-6.97e-05	9.65e-05	0.0
183	3	-4.90e-04	0.02	-0.10	-1.53e-04	5.85e-05	0.0
183	4	9.22e-04	7.00e-03	-0.19	-2.29e-04	1.65e-04	0.0
183	6	1.04e-03	-1.77e-03	-0.16	-1.87e-04	1.49e-04	0.0
183	16	9.26	4.92	-0.12	-1.67e-04	1.77e-04	0.0
183	39	3.63	-11.76	-0.15	-2.23e-05	7.46e-05	0.0
183	44	1.42	12.91	-0.10	-2.74e-04	1.62e-04	0.0
183	48	4.04	2.15	-0.12	-1.59e-04	1.34e-04	0.0
183	71	1.58	-5.12	-0.14	-9.62e-05	8.89e-05	0.0
183	76	0.62	5.63	-0.11	-2.06e-04	1.27e-04	0.0
183	78	3.79e-04	6.70e-03	-0.12	-1.52e-04	9.93e-05	0.0
183	79	-3.74e-04	0.02	-0.08	-1.12e-04	4.32e-05	0.0

183	80	3.79e-04	7.39e-03	-0.12	-1.53e-04	9.99e-05	0.0
183	82	5.68e-04	4.34e-03	-0.14	-1.62e-04	1.13e-04	0.0
183	83	-3.76e-04	0.02	-0.08	-1.16e-04	4.45e-05	0.0
183	84	5.65e-04	6.66e-03	-0.14	-1.67e-04	1.15e-04	0.0
184	3	-6.43e-04	0.02	-0.11	-7.33e-05	7.04e-05	0.0
184	4	5.99e-04	7.00e-03	-0.20	-1.03e-04	1.90e-04	0.0
184	6	7.53e-04	-1.77e-03	-0.18	-7.91e-05	1.71e-04	0.0
184	16	9.72	4.92	-0.13	-5.92e-05	1.64e-04	0.0
184	39	3.61	-11.76	-0.16	9.07e-06	8.63e-05	0.0
184	44	1.81	12.91	-0.11	-1.29e-04	1.68e-04	0.0
184	48	4.24	2.15	-0.13	-6.38e-05	1.37e-04	0.0
184	71	1.57	-5.12	-0.15	-3.40e-05	1.03e-04	0.0
184	76	0.79	5.63	-0.13	-9.40e-05	1.39e-04	0.0
184	79	-4.91e-04	0.02	-0.09	-5.14e-05	5.20e-05	0.0
184	80	1.72e-04	7.39e-03	-0.14	-6.73e-05	1.16e-04	0.0
184	83	-4.94e-04	0.02	-0.09	-5.51e-05	5.36e-05	0.0
184	84	3.35e-04	6.66e-03	-0.15	-7.50e-05	1.34e-04	0.0
185	3	-6.65e-04	0.02	-0.11	-5.96e-05	4.97e-05	0.0
185	4	5.51e-04	6.59e-03	-0.19	-7.01e-05	1.88e-04	0.0
185	6	7.11e-04	-2.14e-03	-0.16	-4.98e-05	1.73e-04	0.0
185	16	9.74	5.37	-0.12	-3.35e-05	1.89e-04	0.0
185	41	-1.82	-13.28	-0.15	2.53e-05	4.37e-05	0.0
185	44	1.82	13.30	-0.10	-1.19e-04	1.76e-04	0.0
185	48	4.24	2.34	-0.12	-4.10e-05	1.44e-04	0.0
185	73	-0.79	-5.78	-0.14	-1.54e-05	8.09e-05	0.0
185	76	0.79	5.80	-0.11	-7.83e-05	1.38e-04	0.0
185	79	-5.08e-04	0.02	-0.08	-4.12e-05	3.61e-05	0.0
185	80	1.41e-04	7.12e-03	-0.13	-4.68e-05	1.10e-04	0.0
185	83	-5.11e-04	0.02	-0.08	-4.47e-05	3.77e-05	0.0
185	84	3.00e-04	6.36e-03	-0.14	-5.17e-05	1.30e-04	0.0
186	3	-5.87e-04	0.02	-0.12	3.59e-05	-2.38e-05	0.0
186	4	5.31e-04	7.54e-03	-0.20	4.82e-05	-1.48e-04	0.0
186	6	6.68e-04	-1.26e-03	-0.17	4.16e-05	-1.39e-04	0.0
186	16	11.62	2.04	-0.14	-1.64e-05	-7.20e-06	0.0
186	23	11.57	-6.01	-0.14	2.34e-05	-6.91e-06	0.0
186	34	-3.44	13.04	-0.13	-1.73e-05	-1.06e-04	0.0
186	48	5.06	0.89	-0.14	1.28e-05	-4.95e-05	0.0
186	55	5.04	-2.61	-0.14	3.01e-05	-4.94e-05	0.0
186	66	-1.50	5.69	-0.13	1.24e-05	-9.27e-05	0.0
186	79	-4.51e-04	0.02	-0.09	2.88e-05	-1.59e-05	0.0
186	80	1.45e-04	7.71e-03	-0.13	3.53e-05	-8.21e-05	0.0
186	83	-4.52e-04	0.02	-0.09	2.79e-05	-1.77e-05	0.0
186	84	2.94e-04	7.04e-03	-0.15	3.61e-05	-1.00e-04	0.0
187	3	-5.56e-04	0.02	-0.12	-7.23e-06	-1.56e-05	0.0
187	4	5.93e-04	7.50e-03	-0.19	3.03e-06	-1.66e-04	0.0
187	8	7.21e-04	2.18e-03	-0.16	4.18e-06	-1.63e-04	0.0
187	16	11.61	1.62	-0.14	-5.77e-05	1.10e-05	0.0
187	23	11.54	-6.73	-0.14	-8.19e-06	1.17e-05	0.0
187	34	-3.43	13.43	-0.12	-6.36e-05	-1.24e-04	0.0
187	48	5.06	0.71	-0.13	-2.36e-05	-4.61e-05	0.0
187	55	5.03	-2.93	-0.13	-2.00e-06	-4.58e-05	0.0
187	66	-1.49	5.86	-0.12	-2.61e-05	-1.05e-04	0.0
187	77	-4.28e-04	0.02	-0.09	-1.76e-06	-9.36e-06	0.0
187	79	-4.28e-04	0.02	-0.09	-2.69e-06	-1.00e-05	0.0
187	80	1.85e-04	7.68e-03	-0.13	2.79e-06	-9.03e-05	0.0
187	81	-4.28e-04	0.02	-0.09	-1.76e-06	-9.36e-06	0.0
187	83	-4.28e-04	0.02	-0.09	-4.85e-06	-1.15e-05	0.0
187	84	3.38e-04	7.01e-03	-0.14	1.99e-06	-1.12e-04	0.0
188	3	-5.88e-04	0.02	-0.12	-9.19e-06	1.63e-05	0.0
188	4	5.31e-04	7.56e-03	-0.19	1.23e-05	-1.29e-04	0.0
188	6	6.67e-04	-1.25e-03	-0.16	1.85e-05	-1.32e-04	0.0
188	16	12.02	1.61	-0.15	-5.69e-05	4.45e-05	0.0
188	23	12.25	-6.74	-0.14	-7.32e-06	3.87e-05	0.0
188	34	-3.80	13.43	-0.12	-5.84e-05	-8.94e-05	0.0
188	48	5.24	0.71	-0.14	-2.07e-05	-1.71e-05	0.0
188	55	5.34	-2.93	-0.13	0.0	-1.96e-05	0.0
188	66	-1.66	5.86	-0.13	-2.13e-05	-7.54e-05	0.0
188	79	-4.52e-04	0.02	-0.09	-4.20e-06	1.31e-05	0.0
188	80	1.45e-04	7.72e-03	-0.13	7.25e-06	-6.46e-05	0.0
188	83	-4.52e-04	0.02	-0.09	-6.36e-06	1.26e-05	0.0
188	84	2.94e-04	7.05e-03	-0.14	7.95e-06	-8.45e-05	0.0
189	3	-6.07e-04	0.02	-0.12	2.67e-05	1.99e-05	0.0
189	4	4.80e-04	7.59e-03	-0.20	5.89e-05	-9.77e-05	0.0
189	6	6.21e-04	-1.22e-03	-0.17	5.47e-05	-1.01e-04	0.0
189	16	12.00	2.03	-0.14	-1.63e-05	3.46e-05	0.0
189	23	12.21	-6.03	-0.14	2.38e-05	3.04e-05	0.0
189	34	-3.78	13.05	-0.13	-1.33e-05	-6.53e-05	0.0

189	48	5.23	0.89	-0.14	1.49e-05	-1.13e-05	0.0
189	55	5.32	-2.62	-0.14	3.24e-05	-1.31e-05	0.0
189	66	-1.65	5.69	-0.13	1.63e-05	-5.48e-05	0.0
189	79	-4.66e-04	0.02	-0.09	2.19e-05	1.60e-05	0.0
189	80	1.13e-04	7.74e-03	-0.13	3.91e-05	-4.67e-05	0.0
189	83	-4.67e-04	0.02	-0.09	2.09e-05	1.55e-05	0.0
189	84	2.58e-04	7.07e-03	-0.14	4.24e-05	-6.29e-05	0.0
190	3	-6.67e-04	0.02	-0.12	-3.77e-05	7.69e-06	0.0
190	4	5.19e-04	7.57e-03	-0.22	-5.42e-05	-5.03e-05	0.0
190	6	6.76e-04	-1.26e-03	-0.19	-3.75e-05	-5.14e-05	0.0
190	16	10.20	3.05	-0.14	-6.03e-05	-1.64e-05	0.0
190	29	-3.65	-11.74	-0.16	4.65e-05	-1.03e-05	0.0
190	34	-2.15	12.14	-0.13	-1.08e-04	-4.77e-05	0.0
190	48	4.44	1.33	-0.14	-4.45e-05	-2.10e-05	0.0
190	61	-1.59	-5.11	-0.15	2.09e-06	-1.84e-05	0.0
190	66	-0.94	5.29	-0.14	-6.54e-05	-3.46e-05	0.0
190	79	-5.11e-04	0.02	-0.09	-2.34e-05	6.39e-06	0.0
190	80	1.22e-04	7.74e-03	-0.15	-3.22e-05	-2.46e-05	0.0
190	83	-5.12e-04	0.02	-0.09	-2.76e-05	6.03e-06	0.0
190	84	2.78e-04	7.06e-03	-0.16	-3.86e-05	-3.27e-05	0.0
191	3	-6.43e-04	0.02	-0.12	-1.89e-05	-2.77e-05	0.0
191	4	5.68e-04	7.52e-03	-0.22	-1.87e-05	-1.21e-04	0.0
191	6	7.19e-04	-1.29e-03	-0.19	-6.53e-06	-1.12e-04	0.0
191	16	10.19	2.57	-0.14	-4.24e-05	-5.78e-05	0.0
191	29	-3.65	-11.78	-0.16	5.82e-05	-4.84e-05	0.0
191	34	-2.14	12.56	-0.13	-6.80e-05	-1.03e-04	0.0
191	48	4.44	1.13	-0.14	-2.35e-05	-6.44e-05	0.0
191	61	-1.59	-5.13	-0.15	2.03e-05	-6.03e-05	0.0
191	66	-0.93	5.48	-0.14	-3.47e-05	-8.43e-05	0.0
191	79	-4.92e-04	0.02	-0.09	-9.10e-06	-1.98e-05	0.0
191	80	1.53e-04	7.70e-03	-0.14	-8.98e-06	-6.95e-05	0.0
191	83	-4.94e-04	0.02	-0.09	-1.32e-05	-2.09e-05	0.0
191	84	3.13e-04	7.02e-03	-0.16	-1.31e-05	-8.31e-05	0.0
192	3	-6.57e-04	0.02	-0.12	-3.07e-05	0.0	0.0
192	4	4.78e-04	7.56e-03	-0.23	-3.06e-05	-7.67e-05	0.0
192	16	10.70	3.04	-0.15	-3.75e-05	-4.14e-05	0.0
192	29	-3.61	-11.74	-0.16	3.09e-05	-2.77e-05	0.0
192	34	-2.61	12.14	-0.14	-6.49e-05	-5.71e-05	0.0
192	48	4.66	1.33	-0.15	-2.66e-05	-4.11e-05	0.0
192	61	-1.57	-5.11	-0.15	3.15e-06	-3.51e-05	0.0
192	66	-1.14	5.29	-0.15	-3.86e-05	-4.79e-05	0.0
192	79	-5.03e-04	0.02	-0.09	-1.84e-05	0.0	0.0
192	80	1.02e-04	7.73e-03	-0.15	-1.83e-05	-4.09e-05	0.0
192	83	-5.05e-04	0.02	-0.10	-2.23e-05	0.0	0.0
192	84	2.52e-04	7.05e-03	-0.17	-2.22e-05	-5.11e-05	0.0
193	3	-7.38e-04	0.02	-0.12	-1.76e-05	2.29e-05	0.0
193	4	3.83e-04	7.25e-03	-0.22	-1.84e-05	1.12e-04	0.0
193	16	10.19	4.46	-0.14	-1.05e-05	9.08e-05	0.0
193	39	3.58	-11.74	-0.16	5.88e-05	4.37e-05	0.0
193	44	2.21	12.52	-0.13	-6.71e-05	9.67e-05	0.0
193	48	4.44	1.95	-0.14	-9.36e-06	7.55e-05	0.0
193	71	1.56	-5.11	-0.15	2.08e-05	5.50e-05	0.0
193	76	0.96	5.46	-0.14	-3.40e-05	7.81e-05	0.0
193	79	-5.64e-04	0.02	-0.09	-8.04e-06	1.62e-05	0.0
193	80	3.44e-05	7.54e-03	-0.15	-8.50e-06	6.37e-05	0.0
193	83	-5.67e-04	0.02	-0.09	-1.22e-05	1.73e-05	0.0
193	84	1.81e-04	6.83e-03	-0.16	-1.27e-05	7.67e-05	0.0
194	3	-7.15e-04	0.02	-0.12	-3.70e-05	-1.20e-05	0.0
194	4	4.28e-04	7.43e-03	-0.23	-5.46e-05	3.58e-05	0.0
194	16	10.20	3.99	-0.15	-4.86e-05	3.37e-05	0.0
194	39	3.58	-11.72	-0.16	4.67e-05	2.55e-06	0.0
194	44	2.22	12.11	-0.14	-1.08e-04	3.81e-05	0.0
194	48	4.44	1.74	-0.15	-3.94e-05	2.36e-05	0.0
194	71	1.56	-5.10	-0.15	2.16e-06	1.00e-05	0.0
194	76	0.97	5.28	-0.14	-6.53e-05	2.55e-05	0.0
194	79	-5.46e-04	0.02	-0.09	-2.28e-05	-9.70e-06	0.0
194	80	6.31e-05	7.66e-03	-0.15	-3.22e-05	1.58e-05	0.0
194	83	-5.49e-04	0.02	-0.09	-2.71e-05	-9.37e-06	0.0
194	84	2.13e-04	6.96e-03	-0.16	-3.88e-05	2.25e-05	0.0
195	3	-7.44e-04	0.02	-0.13	-3.03e-05	-3.58e-06	0.0
195	4	3.16e-04	7.42e-03	-0.23	-3.19e-05	6.17e-05	0.0
195	13	-10.70	-3.98	-0.15	-1.06e-05	2.55e-05	0.0
195	39	3.56	-11.72	-0.16	3.05e-05	1.99e-05	0.0
195	44	2.65	12.12	-0.14	-6.53e-05	4.73e-05	0.0
195	45	-4.66	-1.73	-0.15	-1.53e-05	2.91e-05	0.0
195	71	1.55	-5.10	-0.15	2.63e-06	2.67e-05	0.0
195	76	1.16	5.28	-0.15	-3.91e-05	3.87e-05	0.0

195	79	-5.69e-04	0.02	-0.09	-1.80e-05	-2.80e-06	0.0
195	80	-3.32e-06	7.65e-03	-0.15	-1.89e-05	3.20e-05	0.0
195	83	-5.72e-04	0.02	-0.10	-2.20e-05	-2.77e-06	0.0
195	84	1.35e-04	6.95e-03	-0.17	-2.31e-05	4.07e-05	0.0
196	3	-7.81e-04	0.02	-0.12	-3.79e-05	2.47e-05	0.0
196	4	2.48e-04	7.26e-03	-0.22	-2.98e-05	1.23e-04	0.0
196	13	-10.70	-4.44	-0.15	-9.38e-06	1.27e-05	0.0
196	41	-2.65	-12.49	-0.16	5.56e-05	3.58e-05	0.0
196	44	2.65	12.51	-0.14	-9.38e-05	1.04e-04	0.0
196	45	-4.66	-1.93	-0.15	-1.49e-05	4.50e-05	0.0
196	73	-1.15	-5.44	-0.15	1.34e-05	5.50e-05	0.0
196	76	1.15	5.45	-0.14	-5.17e-05	8.47e-05	0.0
196	79	-5.96e-04	0.02	-0.09	-2.34e-05	1.74e-05	0.0
196	80	-4.71e-05	7.55e-03	-0.15	-1.91e-05	6.99e-05	0.0
196	83	-5.99e-04	0.02	-0.09	-2.78e-05	1.86e-05	0.0
196	84	8.67e-05	6.84e-03	-0.16	-2.24e-05	8.42e-05	0.0
197	3	-1.07e-03	0.02	-0.12	-9.12e-05	-4.00e-05	0.0
197	4	-5.99e-04	7.30e-03	-0.19	2.92e-05	1.97e-06	0.0
197	18	-13.26	2.09	-0.15	-8.24e-05	-1.13e-04	0.0
197	22	-14.31	1.13	-0.15	-7.78e-05	-1.10e-04	0.0
197	44	4.83	12.92	-0.14	-8.83e-05	9.04e-06	0.0
197	50	-5.78	0.92	-0.14	-3.60e-05	-5.35e-05	0.0
197	54	-6.24	0.50	-0.14	-3.40e-05	-5.21e-05	0.0
197	76	2.10	5.63	-0.13	-3.86e-05	0.0	0.0
197	79	-8.04e-04	0.02	-0.09	-6.44e-05	-3.00e-05	0.0
197	80	-5.52e-04	7.58e-03	-0.13	0.0	-7.63e-06	0.0
197	83	-8.19e-04	0.02	-0.09	-6.88e-05	-3.06e-05	0.0
197	84	-5.04e-04	6.87e-03	-0.14	1.16e-05	-2.60e-06	0.0
198	3	-1.26e-03	0.02	-0.13	-1.00e-04	-1.19e-05	7.13e-06
198	4	-9.23e-04	7.31e-03	-0.18	7.13e-06	4.02e-06	3.22e-06
198	22	-15.07	1.14	-0.16	-9.10e-05	-1.69e-04	9.37e-03
198	38	-3.42	11.78	-0.16	-1.84e-04	-5.39e-05	-2.63e-04
198	44	5.21	12.91	-0.15	-1.63e-04	4.54e-05	-4.73e-03
198	54	-6.57	0.50	-0.14	-4.76e-05	-7.38e-05	4.09e-03
198	70	-1.49	5.14	-0.14	-8.81e-05	-2.38e-05	-1.13e-04
198	76	2.27	5.63	-0.13	-7.89e-05	1.95e-05	-2.06e-03
198	79	-9.41e-04	0.02	-0.10	-7.13e-05	-9.03e-06	5.33e-06
198	80	-7.59e-04	7.59e-03	-0.13	-1.40e-05	0.0	3.25e-06
198	83	-9.64e-04	0.02	-0.10	-7.57e-05	-9.12e-06	5.45e-06
198	84	-7.37e-04	6.88e-03	-0.14	-4.09e-06	1.49e-06	2.84e-06
199	3	-1.37e-03	0.02	-0.13	-6.09e-05	-8.40e-06	6.99e-06
199	4	-1.13e-03	7.14e-03	-0.18	8.15e-06	1.56e-05	2.27e-06
199	18	-13.71	1.63	-0.17	-8.79e-05	-1.67e-04	5.60e-03
199	22	-15.07	0.36	-0.16	-7.67e-05	-1.69e-04	9.37e-03
199	44	5.21	13.31	-0.14	-1.49e-04	5.35e-05	-4.73e-03
199	50	-5.98	0.72	-0.14	-4.11e-05	-6.90e-05	2.44e-03
199	54	-6.57	0.16	-0.14	-3.62e-05	-7.00e-05	4.09e-03
199	76	2.27	5.80	-0.13	-6.76e-05	2.69e-05	-2.06e-03
199	79	-1.02e-03	0.02	-0.10	-4.18e-05	-6.40e-06	5.17e-06
199	80	-8.91e-04	7.49e-03	-0.13	-5.00e-06	6.40e-06	2.65e-06
199	83	-1.04e-03	0.02	-0.10	-4.56e-05	-6.45e-06	5.33e-06
199	84	-8.87e-04	6.76e-03	-0.14	0.0	9.54e-06	2.18e-06
200	3	-6.62e-04	0.02	-0.12	2.41e-05	1.63e-05	0.0
200	4	4.15e-04	7.56e-03	-0.23	2.63e-05	-6.96e-05	0.0
200	16	11.22	3.02	-0.15	-7.35e-06	-4.49e-06	0.0
200	29	-3.56	-11.74	-0.15	9.68e-05	-3.48e-05	0.0
200	34	-3.07	12.16	-0.14	-4.88e-05	-5.28e-05	0.0
200	48	4.89	1.32	-0.15	9.19e-06	-2.11e-05	0.0
200	61	-1.55	-5.11	-0.15	5.46e-05	-3.43e-05	0.0
200	66	-1.34	5.30	-0.15	-8.87e-06	-4.21e-05	0.0
200	79	-5.07e-04	0.02	-0.09	2.07e-05	1.18e-05	0.0
200	80	6.77e-05	7.73e-03	-0.15	2.20e-05	-3.39e-05	0.0
200	83	-5.09e-04	0.02	-0.10	1.91e-05	1.23e-05	0.0
200	84	2.09e-04	7.05e-03	-0.16	2.06e-05	-4.49e-05	0.0
201	3	-6.22e-04	0.02	-0.12	7.36e-05	-1.23e-05	0.0
201	4	4.48e-04	7.60e-03	-0.21	1.02e-04	-1.23e-04	0.0
201	23	11.87	-5.27	-0.14	7.26e-05	1.75e-05	0.0
201	34	-3.60	12.65	-0.13	2.11e-06	-9.29e-05	0.0
201	55	5.17	-2.29	-0.14	7.19e-05	-3.04e-05	0.0
201	66	-1.57	5.52	-0.14	4.12e-05	-7.85e-05	0.0
201	79	-4.77e-04	0.02	-0.09	5.62e-05	-8.30e-06	0.0
201	80	9.38e-05	7.75e-03	-0.14	7.14e-05	-6.74e-05	0.0
201	83	-4.78e-04	0.02	-0.09	5.65e-05	-9.20e-06	0.0
201	84	2.35e-04	7.08e-03	-0.15	7.55e-05	-8.30e-05	0.0
202	3	-6.70e-04	0.02	-0.12	7.43e-05	-1.06e-05	0.0
202	4	3.51e-04	7.62e-03	-0.22	9.97e-05	-1.03e-04	0.0
202	23	11.79	-4.42	-0.15	7.22e-05	-3.05e-05	0.0

202	34	-3.55	12.19	-0.14	2.73e-05	-6.96e-05	0.0
202	55	5.14	-1.92	-0.15	7.11e-05	-4.57e-05	0.0
202	66	-1.55	5.32	-0.14	5.15e-05	-6.28e-05	0.0
202	79	-5.13e-04	0.02	-0.09	5.66e-05	-8.00e-06	0.0
202	80	3.17e-05	7.77e-03	-0.15	7.02e-05	-5.75e-05	0.0
202	83	-5.15e-04	0.02	-0.09	5.70e-05	-8.13e-06	0.0
202	84	1.66e-04	7.10e-03	-0.16	7.39e-05	-7.00e-05	0.0
203	3	-5.69e-04	0.02	-0.11	-3.83e-05	-5.99e-05	0.0
203	4	6.98e-04	7.21e-03	-0.19	-3.45e-05	-2.07e-04	0.0
203	6	8.30e-04	-1.55e-03	-0.16	-1.89e-05	-1.89e-04	0.0
203	16	10.23	1.68	-0.13	-8.01e-05	-6.14e-05	0.0
203	34	-2.18	13.37	-0.10	-9.47e-05	-1.81e-04	0.0
203	35	2.18	-13.36	-0.15	4.93e-05	-6.27e-05	0.0
203	48	4.46	0.74	-0.13	-4.77e-05	-9.54e-05	0.0
203	66	-0.95	5.83	-0.12	-5.41e-05	-1.47e-04	0.0
203	67	0.95	-5.82	-0.14	8.64e-06	-9.60e-05	0.0
203	79	-4.37e-04	0.02	-0.09	-2.48e-05	-4.35e-05	0.0
203	80	2.39e-04	7.48e-03	-0.13	-2.27e-05	-1.22e-04	0.0
203	83	-4.38e-04	0.02	-0.09	-2.83e-05	-4.54e-05	0.0
203	84	4.07e-04	6.79e-03	-0.14	-2.58e-05	-1.43e-04	0.0
204	3	-5.49e-04	0.02	-0.11	-3.98e-05	-4.22e-05	-1.02e-06
204	4	7.48e-04	6.95e-03	-0.17	-3.19e-05	-1.74e-04	0.0
204	8	8.75e-04	1.72e-03	-0.15	-2.35e-05	-1.64e-04	0.0
204	16	10.23	1.20	-0.12	-9.34e-05	4.33e-05	-5.52e-03
204	34	-2.18	13.81	-0.09	-1.54e-04	-1.68e-04	4.98e-03
204	35	2.18	-13.79	-0.14	1.10e-04	-3.31e-05	-4.98e-03
204	48	4.46	0.53	-0.12	-5.32e-05	-3.80e-05	-2.40e-03
204	66	-0.95	6.02	-0.10	-7.95e-05	-1.30e-04	2.17e-03
204	67	0.95	-6.01	-0.13	3.54e-05	-7.13e-05	-2.17e-03
204	77	-4.23e-04	0.02	-0.08	-2.49e-05	-3.00e-05	0.0
204	79	-4.23e-04	0.02	-0.08	-2.63e-05	-3.06e-05	0.0
204	80	2.69e-04	7.31e-03	-0.12	-2.21e-05	-1.01e-04	0.0
204	83	-4.23e-04	0.02	-0.08	-2.95e-05	-3.20e-05	0.0
204	84	4.42e-04	6.60e-03	-0.12	-2.43e-05	-1.20e-04	0.0
205	3	-5.04e-04	0.02	-0.11	-3.52e-05	-3.75e-05	-1.64e-06
205	4	7.57e-04	7.21e-03	-0.17	-2.48e-05	-1.72e-04	0.0
205	8	8.73e-04	1.94e-03	-0.15	-1.74e-05	-1.64e-04	0.0
205	16	10.71	1.20	-0.13	-8.86e-05	5.48e-05	-5.52e-03
205	23	10.02	-7.45	-0.14	1.76e-06	6.03e-05	-9.37e-03
205	34	-2.62	13.81	-0.10	-1.48e-04	-1.61e-04	4.98e-03
205	48	4.67	0.53	-0.12	-4.84e-05	-3.17e-05	-2.40e-03
205	55	4.37	-3.24	-0.13	-9.00e-06	-2.93e-05	-4.08e-03
205	66	-1.14	6.02	-0.11	-7.43e-05	-1.26e-04	2.17e-03
205	77	-3.90e-04	0.02	-0.08	-2.15e-05	-2.60e-05	-1.25e-06
205	79	-3.90e-04	0.02	-0.08	-2.28e-05	-2.67e-05	-1.25e-06
205	80	2.83e-04	7.48e-03	-0.12	-1.73e-05	-9.85e-05	0.0
205	83	-3.88e-04	0.02	-0.08	-2.60e-05	-2.83e-05	-1.26e-06
205	84	4.52e-04	6.79e-03	-0.13	-1.91e-05	-1.18e-04	0.0
206	3	-5.28e-04	0.02	-0.11	-2.95e-05	-5.60e-05	0.0
206	4	7.08e-04	7.32e-03	-0.19	-1.88e-05	-2.04e-04	0.0
206	8	8.30e-04	2.02e-03	-0.16	-1.28e-05	-1.92e-04	0.0
206	16	10.71	1.67	-0.13	-6.94e-05	-4.47e-05	0.0
206	34	-2.61	13.38	-0.11	-7.91e-05	-1.69e-04	0.0
206	35	2.61	-13.36	-0.14	5.41e-05	-6.84e-05	0.0
206	48	4.67	0.73	-0.13	-3.73e-05	-8.65e-05	0.0
206	66	-1.14	5.83	-0.12	-4.15e-05	-1.41e-04	0.0
206	67	1.14	-5.82	-0.13	1.65e-05	-9.69e-05	0.0
206	77	-4.07e-04	0.02	-0.09	-1.68e-05	-3.90e-05	0.0
206	79	-4.06e-04	0.02	-0.09	-1.83e-05	-4.00e-05	0.0
206	80	2.53e-04	7.56e-03	-0.13	-1.25e-05	-1.19e-04	0.0
206	83	-4.06e-04	0.02	-0.09	-2.16e-05	-4.23e-05	0.0
206	84	4.18e-04	6.87e-03	-0.14	-1.44e-05	-1.41e-04	0.0
207	3	-8.69e-04	0.02	-0.12	-2.69e-05	5.12e-05	0.0
207	4	8.96e-05	6.78e-03	-0.19	-1.23e-05	2.07e-04	0.0
207	13	-10.71	-5.35	-0.14	-2.18e-05	2.85e-05	0.0
207	41	-2.66	-13.28	-0.15	5.73e-05	6.94e-05	0.0
207	44	2.65	13.30	-0.11	-7.43e-05	1.70e-04	0.0
207	45	-4.67	-2.33	-0.13	-1.43e-05	7.99e-05	0.0
207	73	-1.16	-5.78	-0.14	2.02e-05	9.77e-05	0.0
207	76	1.16	5.80	-0.12	-3.72e-05	1.41e-04	0.0
207	79	-6.61e-04	0.02	-0.09	-1.63e-05	3.63e-05	0.0
207	80	-1.50e-04	7.25e-03	-0.13	-8.48e-06	1.20e-04	0.0
207	83	-6.66e-04	0.02	-0.09	-1.96e-05	3.86e-05	0.0
207	84	-2.76e-05	6.50e-03	-0.14	-9.87e-06	1.43e-04	0.0
208	3	-8.27e-04	0.02	-0.12	-3.16e-05	5.63e-05	0.0
208	4	1.65e-04	7.04e-03	-0.21	-1.89e-05	1.82e-04	0.0
208	13	-10.70	-4.89	-0.15	-1.99e-05	4.47e-05	0.0

208	41	-2.65	-12.88	-0.15	4.36e-05	6.69e-05	0.0
208	44	2.65	12.90	-0.13	-6.82e-05	1.47e-04	0.0
208	45	-4.66	-2.13	-0.14	-1.56e-05	7.99e-05	0.0
208	73	-1.15	-5.61	-0.14	1.20e-05	8.95e-05	0.0
208	76	1.15	5.62	-0.13	-3.67e-05	1.24e-04	0.0
208	79	-6.31e-04	0.02	-0.09	-1.91e-05	4.01e-05	0.0
208	80	-1.02e-04	7.42e-03	-0.14	-1.23e-05	1.07e-04	0.0
208	83	-6.35e-04	0.02	-0.09	-2.30e-05	4.25e-05	0.0
208	84	2.65e-05	6.69e-03	-0.15	-1.45e-05	1.26e-04	0.0
209	3	-5.69e-04	0.02	-0.12	-2.89e-05	1.41e-05	-1.66e-06
209	4	5.79e-04	7.58e-03	-0.18	-1.51e-05	-1.18e-04	-3.08e-06
209	8	7.11e-04	2.24e-03	-0.15	-9.08e-06	-1.21e-04	-2.72e-06
209	16	12.03	1.20	-0.15	-8.47e-05	1.23e-04	-5.52e-03
209	23	12.25	-7.45	-0.15	7.51e-06	1.18e-04	-9.37e-03
209	34	-3.80	13.81	-0.12	-1.44e-04	-1.07e-04	4.98e-03
209	48	5.24	0.53	-0.13	-4.32e-05	2.05e-05	-2.41e-03
209	55	5.34	-3.24	-0.13	-2.96e-06	1.82e-05	-4.09e-03
209	66	-1.66	6.02	-0.12	-6.91e-05	-7.99e-05	2.17e-03
209	77	-4.38e-04	0.02	-0.09	-1.72e-05	1.13e-05	-1.12e-06
209	79	-4.38e-04	0.02	-0.09	-1.84e-05	1.12e-05	-1.16e-06
209	80	1.74e-04	7.74e-03	-0.12	-1.10e-05	-5.90e-05	-1.92e-06
209	81	-4.38e-04	0.02	-0.09	-1.72e-05	1.13e-05	-1.12e-06
209	83	-4.38e-04	0.02	-0.09	-2.13e-05	1.09e-05	-1.25e-06
209	84	3.28e-04	7.07e-03	-0.13	-1.21e-05	-7.68e-05	-2.20e-06
210	3	-5.87e-04	0.02	-0.12	-3.40e-05	2.64e-05	0.0
210	4	5.43e-04	7.59e-03	-0.18	-1.52e-05	-8.94e-05	-3.69e-06
210	8	6.79e-04	2.26e-03	-0.15	-8.09e-06	-9.54e-05	-3.66e-06
210	16	12.44	1.20	-0.16	-8.82e-05	1.43e-04	-5.52e-03
210	23	12.95	-7.45	-0.15	3.96e-06	1.35e-04	-9.37e-03
210	34	-4.18	13.81	-0.12	-1.45e-04	-8.43e-05	4.98e-03
210	48	5.42	0.53	-0.14	-4.53e-05	3.89e-05	-2.41e-03
210	55	5.64	-3.24	-0.13	-5.09e-06	3.54e-05	-4.09e-03
210	66	-1.82	6.02	-0.12	-6.98e-05	-6.03e-05	2.17e-03
210	77	-4.54e-04	0.02	-0.09	-2.08e-05	1.99e-05	0.0
210	79	-4.53e-04	0.02	-0.09	-2.21e-05	2.00e-05	0.0
210	80	1.49e-04	7.75e-03	-0.12	-1.21e-05	-4.18e-05	-1.91e-06
210	81	-4.54e-04	0.02	-0.09	-2.08e-05	1.99e-05	0.0
210	83	-4.52e-04	0.02	-0.09	-2.51e-05	2.02e-05	0.0
210	84	3.01e-04	7.07e-03	-0.13	-1.26e-05	-5.70e-05	-2.45e-06
211	3	-5.98e-04	0.02	-0.12	-2.44e-05	3.87e-05	0.0
211	4	5.00e-04	7.60e-03	-0.19	1.33e-05	-8.88e-05	0.0
211	8	6.38e-04	2.27e-03	-0.16	1.83e-05	-9.76e-05	0.0
211	16	12.43	1.63	-0.15	-6.49e-05	7.40e-05	0.0
211	23	12.94	-6.71	-0.14	-1.35e-05	6.26e-05	0.0
211	34	-4.17	13.42	-0.13	-6.25e-05	-5.51e-05	0.0
211	48	5.42	0.71	-0.14	-2.56e-05	1.04e-05	0.0
211	55	5.64	-2.92	-0.13	-3.18e-06	5.41e-06	0.0
211	66	-1.82	5.85	-0.13	-2.45e-05	-4.59e-05	0.0
211	77	-4.62e-04	0.02	-0.09	-1.42e-05	2.91e-05	0.0
211	79	-4.61e-04	0.02	-0.09	-1.53e-05	2.93e-05	0.0
211	80	1.24e-04	7.75e-03	-0.13	4.79e-06	-3.87e-05	0.0
211	81	-4.62e-04	0.02	-0.09	-1.42e-05	2.91e-05	0.0
211	83	-4.61e-04	0.02	-0.09	-1.79e-05	2.97e-05	0.0
211	84	2.72e-04	7.08e-03	-0.14	7.22e-06	-5.54e-05	0.0
212	3	-9.37e-04	0.02	-0.12	-4.73e-05	-5.63e-05	0.0
212	4	-3.42e-04	7.26e-03	-0.19	5.33e-05	2.02e-05	0.0
212	18	-12.83	2.08	-0.15	-5.13e-05	-9.67e-05	0.0
212	22	-13.58	1.11	-0.15	-4.75e-05	-9.35e-05	0.0
212	44	4.46	12.93	-0.13	-4.54e-05	8.28e-06	0.0
212	50	-5.59	0.91	-0.14	-1.03e-05	-4.30e-05	0.0
212	54	-5.92	0.49	-0.14	-8.60e-06	-4.16e-05	0.0
212	76	1.94	5.64	-0.13	-7.68e-06	2.74e-06	0.0
212	79	-7.09e-04	0.02	-0.09	-3.22e-05	-4.23e-05	0.0
212	80	-3.92e-04	7.56e-03	-0.13	2.14e-05	-1.53e-06	0.0
212	83	-7.18e-04	0.02	-0.09	-3.53e-05	-4.31e-05	0.0
212	84	-3.21e-04	6.85e-03	-0.14	3.17e-05	7.91e-06	0.0
213	3	-5.30e-04	0.02	-0.12	-1.54e-05	-4.36e-05	0.0
213	4	6.58e-04	7.42e-03	-0.19	-5.79e-06	-1.91e-04	0.0
213	8	7.81e-04	2.11e-03	-0.16	-2.87e-06	-1.82e-04	0.0
213	16	11.17	1.65	-0.14	-6.15e-05	-2.09e-05	0.0
213	23	10.80	-6.67	-0.14	-1.01e-05	-1.32e-05	0.0
213	34	-3.03	13.39	-0.12	-7.33e-05	-1.51e-04	0.0
213	48	4.87	0.72	-0.13	-2.86e-05	-7.07e-05	0.0
213	55	4.71	-2.90	-0.13	-6.20e-06	-6.74e-05	0.0
213	66	-1.32	5.84	-0.12	-3.38e-05	-1.28e-04	0.0
213	77	-4.09e-04	0.02	-0.09	-7.18e-06	-2.95e-05	0.0
213	79	-4.09e-04	0.02	-0.09	-8.33e-06	-3.05e-05	0.0

213	80	2.25e-04	7.63e-03	-0.13	-3.18e-06	-1.09e-04	0.0
213	81	-4.09e-04	0.02	-0.09	-7.18e-06	-2.95e-05	0.0
213	83	-4.08e-04	0.02	-0.09	-1.10e-05	-3.28e-05	0.0
213	84	3.84e-04	6.95e-03	-0.14	-4.56e-06	-1.31e-04	0.0
214	3	-5.33e-04	0.02	-0.12	-2.78e-05	-6.01e-06	-2.39e-06
214	4	6.42e-04	7.52e-03	-0.18	-1.71e-05	-1.42e-04	-2.39e-06
214	8	7.65e-04	2.19e-03	-0.15	-1.14e-05	-1.41e-04	-1.86e-06
214	16	11.61	1.20	-0.14	-8.42e-05	9.95e-05	-5.52e-03
214	19	11.61	-5.86	-0.14	-4.69e-06	1.02e-04	-5.59e-03
214	34	-3.43	13.81	-0.11	-1.45e-04	-1.29e-04	4.98e-03
214	48	5.06	0.53	-0.13	-4.34e-05	0.0	-2.41e-03
214	51	5.06	-2.55	-0.13	-8.76e-06	1.37e-06	-2.44e-03
214	66	-1.49	6.02	-0.12	-7.00e-05	-9.93e-05	2.17e-03
214	77	-4.11e-04	0.02	-0.09	-1.64e-05	-2.91e-06	-1.70e-06
214	79	-4.11e-04	0.02	-0.09	-1.76e-05	-3.32e-06	-1.73e-06
214	80	2.16e-04	7.70e-03	-0.12	-1.19e-05	-7.61e-05	-1.73e-06
214	81	-4.11e-04	0.02	-0.09	-1.64e-05	-2.91e-06	-1.70e-06
214	83	-4.10e-04	0.02	-0.09	-2.05e-05	-4.30e-06	-1.81e-06
214	84	3.73e-04	7.02e-03	-0.13	-1.33e-05	-9.53e-05	-1.82e-06
215	3	-6.91e-04	0.02	-0.12	-5.10e-05	-2.07e-06	0.0
215	4	4.72e-04	7.53e-03	-0.23	-7.84e-05	-8.27e-06	0.0
215	16	10.21	3.52	-0.15	-6.34e-05	-2.60e-05	0.0
215	39	3.58	-11.69	-0.16	4.28e-06	-1.42e-05	0.0
215	44	2.23	11.71	-0.14	-1.00e-04	-6.22e-06	0.0
215	48	4.45	1.54	-0.15	-5.49e-05	-1.41e-05	0.0
215	71	1.56	-5.09	-0.15	-2.54e-05	-8.93e-06	0.0
215	76	0.97	5.11	-0.14	-7.10e-05	-5.47e-06	0.0
215	79	-5.29e-04	0.02	-0.09	-3.37e-05	-1.58e-06	0.0
215	80	9.15e-05	7.72e-03	-0.15	-4.82e-05	-4.88e-06	0.0
215	83	-5.31e-04	0.02	-0.09	-3.79e-05	-1.59e-06	0.0
215	84	2.44e-04	7.03e-03	-0.16	-5.61e-05	-5.72e-06	0.0
216	3	-7.01e-04	0.02	-0.12	-2.34e-05	-1.79e-06	0.0
216	4	3.97e-04	7.52e-03	-0.23	-3.11e-05	-8.79e-06	0.0
216	16	10.69	3.52	-0.15	-2.94e-05	-2.11e-05	0.0
216	31	2.73	-11.69	-0.16	2.44e-05	-5.97e-06	0.0
216	44	2.64	11.71	-0.14	-5.88e-05	-6.00e-06	0.0
216	48	4.66	1.54	-0.15	-2.26e-05	-1.21e-05	0.0
216	63	1.19	-5.09	-0.16	0.0	-5.48e-06	0.0
216	76	1.15	5.11	-0.15	-3.54e-05	-5.49e-06	0.0
216	79	-5.36e-04	0.02	-0.09	-1.32e-05	-1.37e-06	0.0
216	80	4.98e-05	7.71e-03	-0.15	-1.73e-05	-5.10e-06	0.0
216	83	-5.38e-04	0.02	-0.10	-1.68e-05	-1.38e-06	0.0
216	84	1.94e-04	7.03e-03	-0.17	-2.19e-05	-6.04e-06	0.0
217	3	-6.97e-04	0.02	-0.12	-9.33e-05	3.06e-05	0.0
217	4	5.22e-04	7.57e-03	-0.22	-1.50e-04	-1.09e-05	0.0
217	16	9.73	3.05	-0.14	-1.20e-04	-1.55e-05	0.0
217	29	-3.70	-11.74	-0.16	-3.91e-05	2.83e-05	0.0
217	34	-1.73	12.13	-0.13	-1.50e-04	-1.99e-05	0.0
217	48	4.24	1.33	-0.14	-1.07e-04	-5.75e-06	0.0
217	61	-1.61	-5.11	-0.15	-7.14e-05	1.33e-05	0.0
217	66	-0.75	5.29	-0.14	-1.20e-04	-7.71e-06	0.0
217	79	-5.33e-04	0.02	-0.09	-6.63e-05	2.39e-05	0.0
217	80	1.17e-04	7.74e-03	-0.14	-9.64e-05	1.74e-06	0.0
217	83	-5.35e-04	0.02	-0.09	-7.04e-05	2.36e-05	0.0
217	84	2.77e-04	7.06e-03	-0.16	-1.08e-04	-4.05e-06	0.0
218	3	-7.38e-04	0.02	-0.10	-1.79e-04	3.76e-05	0.0
218	4	5.03e-04	7.56e-03	-0.20	-2.89e-04	4.41e-06	0.0
218	16	9.26	3.05	-0.12	-2.28e-04	2.30e-05	0.0
218	29	-3.74	-11.74	-0.15	-7.80e-05	2.81e-05	0.0
218	34	-1.31	12.13	-0.11	-3.01e-04	-1.63e-05	0.0
218	48	4.04	1.33	-0.12	-2.07e-04	1.65e-05	0.0
218	61	-1.63	-5.11	-0.14	-1.42e-04	1.87e-05	0.0
218	66	-0.57	5.29	-0.12	-2.39e-04	0.0	0.0
218	79	-5.65e-04	0.02	-0.08	-1.32e-04	2.91e-05	0.0
218	80	9.72e-05	7.73e-03	-0.13	-1.91e-04	1.14e-05	0.0
218	83	-5.67e-04	0.02	-0.08	-1.36e-04	2.90e-05	0.0
218	84	2.60e-04	7.06e-03	-0.14	-2.09e-04	6.85e-06	0.0
219	3	-1.03e-03	0.02	-0.10	-8.60e-05	-3.63e-05	0.0
219	4	4.56e-05	7.08e-03	-0.17	-1.07e-04	-1.54e-04	0.0
219	13	-9.26	-1.64	-0.13	-4.09e-06	-1.28e-04	0.0
219	29	-3.74	-11.87	-0.15	3.69e-05	-4.93e-05	0.0
219	34	-1.31	13.39	-0.08	-1.60e-04	-1.63e-04	0.0
219	45	-4.04	-0.71	-0.12	-4.27e-05	-1.06e-04	0.0
219	61	-1.63	-5.17	-0.13	-2.48e-05	-7.18e-05	0.0
219	66	-0.57	5.84	-0.10	-1.11e-04	-1.21e-04	0.0
219	79	-7.85e-04	0.02	-0.08	-6.15e-05	-2.62e-05	0.0
219	80	-2.13e-04	7.39e-03	-0.12	-7.24e-05	-8.92e-05	0.0

219	83	-7.88e-04	0.02	-0.08	-6.50e-05	-2.75e-05	0.0
219	84	-7.37e-05	6.69e-03	-0.13	-7.87e-05	-1.06e-04	0.0
220	3	-1.26e-03	0.02	-0.10	-8.46e-05	-2.14e-05	-1.14e-05
220	4	-3.44e-04	5.83e-03	-0.16	-1.07e-04	-1.30e-04	-2.19e-05
220	13	-9.26	-1.18	-0.12	2.53e-05	-2.42e-04	5.48e-03
220	34	-1.31	13.80	-0.07	-2.72e-04	-1.28e-04	4.96e-03
220	35	1.30	-13.79	-0.15	1.27e-04	-1.81e-05	-4.99e-03
220	45	-4.04	-0.51	-0.11	-2.99e-05	-1.47e-04	2.38e-03
220	66	-0.57	6.02	-0.09	-1.59e-04	-9.70e-05	2.15e-03
220	67	0.57	-6.01	-0.13	1.43e-05	-4.92e-05	-2.18e-03
220	79	-9.61e-04	0.02	-0.08	-6.07e-05	-1.51e-05	-8.68e-06
220	80	-4.74e-04	6.54e-03	-0.11	-7.25e-05	-7.31e-05	-1.43e-05
220	83	-9.66e-04	0.02	-0.08	-6.40e-05	-1.61e-05	-8.76e-06
220	84	-3.57e-04	5.78e-03	-0.12	-7.87e-05	-8.86e-05	-1.57e-05
221	3	-6.90e-04	0.02	-0.10	-4.98e-05	-3.57e-05	-1.48e-06
221	4	5.74e-04	6.57e-03	-0.17	-4.89e-05	-1.47e-04	-1.29e-06
221	6	7.36e-04	-2.08e-03	-0.14	-3.12e-05	-1.46e-04	0.0
221	16	9.75	1.20	-0.11	-1.07e-04	4.95e-05	-5.51e-03
221	34	-1.74	13.81	-0.08	-1.72e-04	-1.59e-04	4.98e-03
221	35	1.74	-13.79	-0.15	1.05e-04	-2.15e-05	-4.98e-03
221	48	4.25	0.53	-0.11	-6.54e-05	-2.95e-05	-2.40e-03
221	66	-0.76	6.02	-0.10	-9.37e-05	-1.20e-04	2.17e-03
221	67	0.76	-6.01	-0.13	2.67e-05	-6.04e-05	-2.17e-03
221	79	-5.29e-04	0.02	-0.08	-3.40e-05	-2.59e-05	-1.13e-06
221	80	1.45e-04	7.05e-03	-0.11	-3.35e-05	-9.05e-05	-1.03e-06
221	83	-5.30e-04	0.02	-0.08	-3.72e-05	-2.71e-05	-1.14e-06
221	84	3.12e-04	6.32e-03	-0.12	-3.66e-05	-1.08e-04	-1.01e-06
222	3	-7.05e-04	0.02	-0.11	-6.47e-05	-5.70e-05	0.0
222	4	5.31e-04	7.13e-03	-0.18	-7.96e-05	-1.94e-04	0.0
222	16	9.74	1.67	-0.12	-1.12e-04	-6.68e-05	0.0
222	34	-1.73	13.38	-0.10	-1.27e-04	-1.81e-04	0.0
222	35	1.73	-13.37	-0.15	2.12e-05	-4.88e-05	0.0
222	48	4.24	0.73	-0.12	-7.87e-05	-9.39e-05	0.0
222	66	-0.75	5.83	-0.11	-8.55e-05	-1.44e-04	0.0
222	67	0.76	-5.82	-0.14	-2.08e-05	-8.61e-05	0.0
222	79	-5.40e-04	0.02	-0.08	-4.51e-05	-4.17e-05	0.0
222	80	1.19e-04	7.43e-03	-0.12	-5.31e-05	-1.15e-04	0.0
222	83	-5.42e-04	0.02	-0.08	-4.86e-05	-4.33e-05	0.0
222	84	2.82e-04	6.73e-03	-0.13	-5.86e-05	-1.35e-04	0.0
223	3	-7.12e-04	0.02	-0.13	2.12e-05	-1.55e-06	0.0
223	4	3.19e-04	7.54e-03	-0.23	2.24e-05	-8.56e-06	0.0
223	16	11.20	3.52	-0.15	5.55e-06	-1.36e-05	0.0
223	29	-3.56	-11.69	-0.16	6.55e-05	0.0	0.0
223	44	3.08	11.71	-0.15	-2.70e-05	-4.86e-06	0.0
223	48	4.88	1.54	-0.15	1.33e-05	-8.70e-06	0.0
223	61	-1.55	-5.09	-0.15	3.94e-05	-2.76e-06	0.0
223	76	1.34	5.11	-0.15	0.0	-4.90e-06	0.0
223	79	-5.44e-04	0.02	-0.09	1.86e-05	-1.19e-06	0.0
223	80	5.63e-06	7.72e-03	-0.15	1.93e-05	-4.92e-06	0.0
223	83	-5.47e-04	0.02	-0.10	1.68e-05	-1.19e-06	0.0
223	84	1.41e-04	7.04e-03	-0.17	1.77e-05	-5.87e-06	0.0
224	3	-7.62e-04	0.02	-0.13	2.47e-05	-1.95e-05	0.0
224	4	2.18e-04	7.42e-03	-0.23	2.88e-05	5.47e-05	0.0
224	13	-11.22	-4.00	-0.15	3.64e-05	-8.64e-06	0.0
224	39	3.54	-11.72	-0.15	9.80e-05	2.70e-05	0.0
224	44	3.09	12.13	-0.15	-4.70e-05	4.34e-05	0.0
224	45	-4.89	-1.74	-0.15	2.91e-05	1.05e-05	0.0
224	71	1.54	-5.10	-0.15	5.59e-05	2.60e-05	0.0
224	76	1.35	5.29	-0.15	-7.27e-06	3.31e-05	0.0
224	79	-5.82e-04	0.02	-0.09	2.13e-05	-1.43e-05	0.0
224	80	-5.94e-05	7.65e-03	-0.15	2.34e-05	2.53e-05	0.0
224	83	-5.85e-04	0.02	-0.10	1.96e-05	-1.48e-05	0.0
224	84	6.82e-05	6.96e-03	-0.17	2.23e-05	3.46e-05	0.0
225	3	-7.70e-04	0.03	-0.12	-9.40e-05	0.0	0.0
225	4	0.0	7.82e-03	-0.20	1.13e-04	1.66e-06	0.0
225	22	-14.27	3.52	-0.14	1.30e-05	-6.78e-05	0.0
225	32	3.37	11.71	-0.15	-5.91e-05	2.38e-05	0.0
225	34	-4.87	11.71	-0.15	-5.90e-05	-1.82e-05	0.0
225	54	-6.22	1.54	-0.13	3.04e-05	-2.91e-05	0.0
225	64	1.47	5.11	-0.14	-1.09e-06	1.08e-05	0.0
225	66	-2.12	5.11	-0.14	-1.04e-06	-7.48e-06	0.0
225	79	-5.89e-04	0.02	-0.09	-6.66e-05	0.0	0.0
225	80	-1.78e-04	7.90e-03	-0.13	4.37e-05	0.0	0.0
225	83	-5.91e-04	0.02	-0.09	-7.09e-05	0.0	0.0
225	84	-7.82e-05	7.24e-03	-0.14	6.70e-05	1.07e-06	0.0
226	1	-6.61e-04	0.02	-0.12	-9.32e-05	-2.12e-05	0.0
226	3	-6.58e-04	0.02	-0.12	-1.03e-04	-2.21e-05	0.0

226	4	2.12e-04	7.82e-03	-0.19	8.55e-05	-5.75e-05	0.0
226	22	-14.27	4.32	-0.13	2.14e-05	-1.12e-04	0.0
226	32	3.37	11.75	-0.15	-8.74e-05	-8.58e-06	0.0
226	34	-4.87	12.13	-0.14	-7.14e-05	-5.55e-05	0.0
226	54	-6.22	1.89	-0.13	2.47e-05	-6.86e-05	0.0
226	64	1.47	5.13	-0.14	-2.27e-05	-2.37e-05	0.0
226	66	-2.12	5.29	-0.14	-1.57e-05	-4.41e-05	0.0
226	77	-5.09e-04	0.02	-0.09	-7.12e-05	-1.62e-05	0.0
226	79	-5.08e-04	0.02	-0.09	-7.31e-05	-1.64e-05	0.0
226	80	-4.41e-05	7.90e-03	-0.13	2.73e-05	-3.53e-05	0.0
226	81	-5.09e-04	0.02	-0.09	-7.12e-05	-1.62e-05	0.0
226	83	-5.07e-04	0.02	-0.09	-7.75e-05	-1.69e-05	0.0
226	84	7.33e-05	7.24e-03	-0.14	4.79e-05	-4.05e-05	0.0
227	1	-5.45e-04	0.02	-0.13	-1.20e-04	-8.60e-06	0.0
227	3	-5.34e-04	0.02	-0.13	-1.30e-04	-9.01e-06	0.0
227	4	3.55e-04	7.85e-03	-0.19	3.47e-05	-1.74e-05	2.57e-06
227	23	15.07	-4.30	-0.13	2.24e-05	1.45e-04	-9.37e-03
227	32	3.33	11.75	-0.16	-1.77e-04	3.54e-05	5.18e-04
227	34	-5.30	12.13	-0.15	-1.64e-04	-5.81e-05	4.98e-03
227	55	6.56	-1.87	-0.13	6.40e-06	5.70e-05	-4.08e-03
227	64	1.45	5.13	-0.14	-8.04e-05	9.12e-06	2.27e-04
227	66	-2.31	5.29	-0.14	-7.47e-05	-3.16e-05	2.17e-03
227	77	-4.20e-04	0.02	-0.10	-9.21e-05	-6.59e-06	0.0
227	79	-4.17e-04	0.02	-0.10	-9.41e-05	-6.67e-06	0.0
227	80	5.64e-05	7.92e-03	-0.13	-5.99e-06	-1.12e-05	1.16e-06
227	81	-4.20e-04	0.02	-0.10	-9.21e-05	-6.59e-06	0.0
227	83	-4.12e-04	0.02	-0.10	-9.88e-05	-6.87e-06	0.0
227	84	1.80e-04	7.26e-03	-0.14	1.13e-05	-1.25e-05	1.62e-06
228	3	-7.85e-04	0.03	-0.13	-1.23e-04	0.0	0.0
228	4	-6.93e-05	7.88e-03	-0.19	5.88e-05	3.11e-06	1.05e-06
228	22	-15.07	3.52	-0.14	-4.01e-05	-1.52e-04	9.37e-03
228	32	3.33	11.71	-0.15	-1.54e-04	4.64e-05	5.18e-04
228	34	-5.30	11.71	-0.15	-1.54e-04	-4.54e-05	4.98e-03
228	54	-6.56	1.54	-0.13	-1.28e-05	-6.54e-05	4.08e-03
228	64	1.45	5.11	-0.14	-6.24e-05	2.11e-05	2.26e-04
228	66	-2.31	5.11	-0.14	-6.23e-05	-1.89e-05	2.17e-03
228	79	-6.00e-04	0.02	-0.10	-8.87e-05	0.0	0.0
228	80	-2.18e-04	7.95e-03	-0.13	8.37e-06	1.60e-06	0.0
228	83	-6.03e-04	0.02	-0.10	-9.32e-05	0.0	0.0
228	84	-1.26e-04	7.29e-03	-0.14	2.81e-05	2.05e-06	0.0
229	3	-8.26e-04	0.02	-0.11	-3.60e-05	3.87e-05	1.14e-06
229	4	2.04e-04	6.28e-03	-0.17	-2.19e-05	1.78e-04	1.25e-06
229	13	-10.23	-5.82	-0.14	-8.49e-06	-6.02e-05	5.52e-03
229	41	-2.25	-13.69	-0.14	1.15e-04	3.44e-05	4.73e-03
229	44	2.25	13.70	-0.09	-1.47e-04	1.70e-04	-4.73e-03
229	45	-4.46	-2.53	-0.13	-1.27e-05	3.16e-05	2.40e-03
229	73	-0.98	-5.96	-0.13	4.10e-05	7.28e-05	2.06e-03
229	76	0.98	5.97	-0.11	-7.28e-05	1.32e-04	-2.06e-03
229	79	-6.29e-04	0.02	-0.08	-2.34e-05	2.79e-05	0.0
229	80	-7.95e-05	6.93e-03	-0.12	-1.59e-05	1.02e-04	0.0
229	83	-6.34e-04	0.02	-0.08	-2.66e-05	2.93e-05	0.0
229	84	5.29e-05	6.15e-03	-0.13	-1.72e-05	1.22e-04	0.0
230	3	-6.69e-04	0.02	-0.12	-9.27e-05	-3.56e-05	0.0
230	4	5.64e-04	7.43e-03	-0.22	-1.50e-04	-3.90e-06	0.0
230	6	7.23e-04	-1.39e-03	-0.19	-1.20e-04	3.87e-06	0.0
230	16	9.73	3.99	-0.14	-1.04e-04	-1.64e-05	0.0
230	39	3.61	-11.72	-0.16	-3.86e-05	-3.62e-05	0.0
230	44	1.82	12.11	-0.13	-1.49e-04	9.78e-06	0.0
230	48	4.24	1.74	-0.14	-9.97e-05	-1.32e-05	0.0
230	71	1.57	-5.10	-0.15	-7.11e-05	-2.19e-05	0.0
230	76	0.79	5.28	-0.14	-1.19e-04	-1.82e-06	0.0
230	79	-5.11e-04	0.02	-0.09	-6.58e-05	-2.77e-05	0.0
230	80	1.46e-04	7.66e-03	-0.14	-9.62e-05	-1.08e-05	0.0
230	83	-5.14e-04	0.02	-0.09	-7.00e-05	-2.75e-05	0.0
230	84	3.08e-04	6.96e-03	-0.16	-1.08e-04	-6.33e-06	0.0
231	1	-5.67e-04	0.02	-0.11	-1.01e-04	6.41e-06	0.0
231	3	-5.56e-04	0.02	-0.12	-1.11e-04	6.41e-06	0.0
231	4	4.11e-04	7.75e-03	-0.19	3.93e-05	-3.18e-05	0.0
231	23	14.28	-5.10	-0.13	1.10e-06	1.11e-04	0.0
231	32	3.37	11.80	-0.15	-1.43e-04	2.95e-05	0.0
231	34	-4.88	12.56	-0.14	-1.19e-04	-4.78e-05	0.0
231	55	6.22	-2.22	-0.13	1.03e-06	3.99e-05	0.0
231	64	1.47	5.14	-0.13	-6.18e-05	4.14e-06	0.0
231	66	-2.13	5.48	-0.13	-5.11e-05	-2.95e-05	0.0
231	77	-4.37e-04	0.02	-0.09	-7.70e-05	4.93e-06	0.0
231	79	-4.35e-04	0.02	-0.09	-7.89e-05	4.93e-06	0.0
231	80	8.08e-05	7.85e-03	-0.12	0.0	-1.54e-05	0.0

231	81	-4.37e-04	0.02	-0.09	-7.70e-05	4.93e-06	0.0
231	83	-4.29e-04	0.02	-0.09	-8.35e-05	4.93e-06	0.0
231	84	2.15e-04	7.19e-03	-0.14	1.64e-05	-2.05e-05	0.0
232	3	-4.72e-04	0.02	-0.12	-9.27e-05	3.89e-05	0.0
232	4	5.82e-04	7.71e-03	-0.19	2.05e-05	4.29e-06	0.0
232	8	6.93e-04	2.37e-03	-0.16	4.09e-05	-4.55e-06	0.0
232	16	13.24	2.11	-0.15	-8.81e-05	1.16e-04	0.0
232	23	14.31	-5.89	-0.14	-2.29e-05	1.06e-04	0.0
232	34	-4.90	12.98	-0.14	-9.41e-05	-5.40e-06	0.0
232	48	5.77	0.92	-0.14	-4.13e-05	5.66e-05	0.0
232	55	6.24	-2.56	-0.13	-1.29e-05	5.21e-05	0.0
232	66	-2.13	5.66	-0.13	-4.39e-05	3.69e-06	0.0
232	77	-3.79e-04	0.02	-0.09	-6.37e-05	2.89e-05	0.0
232	79	-3.75e-04	0.02	-0.09	-6.55e-05	2.92e-05	0.0
232	80	1.87e-04	7.82e-03	-0.13	-5.13e-06	1.07e-05	0.0
232	81	-3.79e-04	0.02	-0.09	-6.37e-05	2.89e-05	0.0
232	83	-3.66e-04	0.02	-0.09	-6.99e-05	2.97e-05	0.0
232	84	3.36e-04	7.16e-03	-0.14	5.62e-06	6.66e-06	0.0
233	3	-3.09e-04	0.02	-0.13	-1.02e-04	1.12e-05	-6.71e-06
233	4	7.52e-04	7.72e-03	-0.19	0.0	3.19e-06	-1.25e-06
233	8	8.28e-04	2.38e-03	-0.16	2.16e-05	0.0	0.0
233	23	15.07	-5.88	-0.14	-3.68e-06	1.69e-04	-9.37e-03
233	32	3.33	11.84	-0.16	-1.90e-04	5.79e-05	5.14e-04
233	34	-5.30	12.97	-0.15	-1.69e-04	-4.14e-05	4.98e-03
233	55	6.57	-2.56	-0.13	-1.21e-05	7.60e-05	-4.08e-03
233	64	1.45	5.16	-0.14	-9.33e-05	2.76e-05	2.23e-04
233	66	-2.31	5.66	-0.14	-8.40e-05	-1.57e-05	2.17e-03
233	79	-2.60e-04	0.02	-0.10	-7.25e-05	8.50e-06	-5.01e-06
233	80	3.06e-04	7.82e-03	-0.13	-1.86e-05	4.22e-06	-2.10e-06
233	83	-2.43e-04	0.02	-0.10	-7.69e-05	8.60e-06	-5.12e-06
233	84	4.64e-04	7.16e-03	-0.14	-9.57e-06	3.25e-06	-1.48e-06
234	3	-8.82e-04	0.02	-0.12	-1.02e-04	2.14e-05	0.0
234	4	-2.14e-04	7.68e-03	-0.19	8.94e-05	6.13e-05	0.0
234	22	-14.27	2.72	-0.14	-2.75e-05	-4.02e-05	0.0
234	38	-3.44	11.73	-0.15	-8.47e-05	1.09e-05	0.0
234	44	4.81	12.11	-0.14	-6.89e-05	5.77e-05	0.0
234	54	-6.22	1.19	-0.13	4.63e-06	3.47e-06	0.0
234	70	-1.50	5.12	-0.14	-2.03e-05	2.57e-05	0.0
234	76	2.09	5.28	-0.13	-1.34e-05	4.61e-05	0.0
234	79	-6.69e-04	0.02	-0.09	-7.27e-05	1.58e-05	0.0
234	80	-3.12e-04	7.82e-03	-0.13	2.95e-05	3.72e-05	0.0
234	83	-6.76e-04	0.02	-0.09	-7.72e-05	1.63e-05	0.0
234	84	-2.30e-04	7.14e-03	-0.14	5.06e-05	4.29e-05	0.0
235	3	-7.24e-04	0.02	-0.11	-7.60e-05	-7.75e-05	0.0
235	4	4.89e-04	7.41e-03	-0.20	-1.07e-04	-1.99e-04	0.0
235	16	9.72	2.12	-0.12	-1.16e-04	-1.00e-04	0.0
235	29	-3.70	-11.83	-0.16	6.34e-06	-9.09e-05	0.0
235	34	-1.72	12.97	-0.11	-1.33e-04	-1.75e-04	0.0
235	48	4.24	0.93	-0.13	-9.00e-05	-1.13e-04	0.0
235	61	-1.61	-5.15	-0.14	-3.68e-05	-1.09e-04	0.0
235	66	-0.75	5.66	-0.12	-9.73e-05	-1.45e-04	0.0
235	79	-5.55e-04	0.02	-0.09	-5.35e-05	-5.75e-05	0.0
235	80	9.22e-05	7.62e-03	-0.13	-7.01e-05	-1.22e-04	0.0
235	83	-5.57e-04	0.02	-0.09	-5.72e-05	-5.91e-05	0.0
235	84	2.52e-04	6.94e-03	-0.15	-7.80e-05	-1.40e-04	0.0
236	3	-6.15e-04	0.02	-0.12	-2.66e-05	-6.59e-05	0.0
236	4	6.15e-04	7.42e-03	-0.20	-2.25e-05	-1.91e-04	0.0
236	6	7.59e-04	-1.37e-03	-0.18	-9.02e-06	-1.72e-04	0.0
236	16	10.20	2.14	-0.13	-6.18e-05	-6.38e-05	0.0
236	34	-2.15	12.96	-0.12	-1.00e-04	-1.65e-04	0.0
236	35	2.15	-12.94	-0.15	7.37e-05	-6.45e-05	0.0
236	48	4.45	0.94	-0.13	-3.44e-05	-9.26e-05	0.0
236	66	-0.94	5.65	-0.13	-5.10e-05	-1.37e-04	0.0
236	67	0.94	-5.64	-0.14	2.47e-05	-9.29e-05	0.0
236	79	-4.72e-04	0.02	-0.09	-1.53e-05	-4.83e-05	0.0
236	80	1.84e-04	7.63e-03	-0.14	-1.31e-05	-1.15e-04	0.0
236	83	-4.73e-04	0.02	-0.09	-1.92e-05	-5.01e-05	0.0
236	84	3.48e-04	6.95e-03	-0.15	-1.65e-05	-1.33e-04	0.0
237	3	-9.86e-04	0.02	-0.12	-1.10e-04	-7.17e-06	0.0
237	4	-4.18e-04	7.48e-03	-0.19	4.60e-05	3.67e-05	0.0
237	22	-14.28	1.93	-0.14	-7.18e-05	-1.13e-04	0.0
237	38	-3.44	11.75	-0.14	-1.39e-04	-2.68e-05	0.0
237	44	4.81	12.51	-0.14	-1.14e-04	5.05e-05	0.0
237	54	-6.22	0.84	-0.13	-2.86e-05	-3.91e-05	0.0
237	70	-1.50	5.13	-0.13	-5.77e-05	-1.58e-06	0.0
237	76	2.10	5.46	-0.13	-4.72e-05	3.21e-05	0.0
237	79	-7.43e-04	0.02	-0.09	-7.85e-05	-5.52e-06	0.0

237	80	-4.41e-04	7.69e-03	-0.12	4.70e-06	1.79e-05	0.0
237	83	-7.54e-04	0.02	-0.09	-8.31e-05	-5.51e-06	0.0
237	84	-3.76e-04	7.00e-03	-0.14	2.09e-05	2.37e-05	0.0
238	3	-6.83e-04	0.02	-0.12	-1.01e-04	-2.39e-06	0.0
238	4	5.43e-04	7.54e-03	-0.22	-1.64e-04	-8.16e-06	0.0
238	6	7.04e-04	-1.29e-03	-0.19	-1.32e-04	-7.59e-06	0.0
238	16	9.73	3.52	-0.14	-1.20e-04	-3.34e-05	0.0
238	34	-1.73	11.71	-0.13	-1.57e-04	-3.86e-06	0.0
238	39	3.61	-11.69	-0.16	-5.35e-05	-1.72e-05	0.0
238	48	4.24	1.54	-0.14	-1.12e-04	-1.73e-05	0.0
238	66	-0.75	5.11	-0.14	-1.28e-04	-4.45e-06	0.0
238	71	1.57	-5.09	-0.15	-8.28e-05	-1.03e-05	0.0
238	79	-5.22e-04	0.02	-0.09	-7.20e-05	-1.83e-06	0.0
238	80	1.31e-04	7.72e-03	-0.14	-1.05e-04	-4.90e-06	0.0
238	83	-5.25e-04	0.02	-0.09	-7.62e-05	-1.84e-06	0.0
238	84	2.92e-04	7.04e-03	-0.16	-1.18e-04	-5.68e-06	0.0
239	2	1.89e-03	1.52e-03	-0.17	-9.11e-05	1.13e-04	2.29e-05
239	3	7.59e-05	0.02	-0.10	-8.14e-05	1.06e-05	1.19e-05
239	4	1.89e-03	4.99e-03	-0.17	-9.80e-05	1.15e-04	2.31e-05
239	16	9.15	5.84	-0.10	-8.28e-05	2.55e-04	-5.48e-03
239	41	-1.32	-13.69	-0.15	1.33e-04	5.90e-06	4.74e-03
239	44	1.32	13.70	-0.07	-2.67e-04	1.19e-04	-4.71e-03
239	48	3.99	2.55	-0.11	-7.40e-05	1.46e-04	-2.38e-03
239	73	-0.57	-5.96	-0.13	1.99e-05	3.78e-05	2.07e-03
239	76	0.58	5.97	-0.09	-1.54e-04	8.70e-05	-2.04e-03
239	78	1.03e-03	5.37e-03	-0.11	-6.58e-05	6.20e-05	1.50e-05
239	79	5.72e-05	0.02	-0.08	-5.83e-05	6.98e-06	9.02e-06
239	80	1.03e-03	6.06e-03	-0.11	-6.72e-05	6.24e-05	1.50e-05
239	82	1.27e-03	2.89e-03	-0.12	-6.80e-05	7.59e-05	1.65e-05
239	83	5.81e-05	0.02	-0.08	-6.16e-05	7.88e-06	9.10e-06
239	84	1.27e-03	5.21e-03	-0.12	-7.26e-05	7.72e-05	1.66e-05
240	3	-6.77e-04	0.02	-0.11	-4.34e-05	3.18e-05	1.02e-06
240	4	5.15e-04	5.94e-03	-0.17	-3.48e-05	1.58e-04	1.52e-06
240	6	6.78e-04	-2.71e-03	-0.15	-1.87e-05	1.48e-04	1.28e-06
240	16	9.75	5.84	-0.10	-3.38e-05	2.51e-04	-5.51e-03
240	41	-1.83	-13.69	-0.15	1.14e-04	2.05e-05	4.73e-03
240	44	1.83	13.70	-0.08	-1.63e-04	1.60e-04	-4.73e-03
240	48	4.25	2.55	-0.11	-2.86e-05	1.60e-04	-2.40e-03
240	73	-0.80	-5.96	-0.13	3.59e-05	5.98e-05	2.06e-03
240	76	0.80	5.97	-0.10	-8.50e-05	1.21e-04	-2.06e-03
240	79	-5.16e-04	0.02	-0.08	-2.91e-05	2.29e-05	0.0
240	80	1.20e-04	6.70e-03	-0.12	-2.45e-05	9.02e-05	1.05e-06
240	83	-5.20e-04	0.02	-0.08	-3.23e-05	2.41e-05	0.0
240	84	2.75e-04	5.90e-03	-0.13	-2.66e-05	1.08e-04	1.12e-06
241	3	-7.25e-04	0.02	-0.12	5.16e-05	-1.20e-06	0.0
241	4	2.35e-04	7.58e-03	-0.23	7.63e-05	-6.33e-06	0.0
241	22	-11.76	3.52	-0.15	4.10e-05	-8.33e-06	0.0
241	29	-3.51	-11.69	-0.15	9.32e-05	-3.32e-06	0.0
241	44	3.54	11.71	-0.15	1.30e-05	-1.65e-06	0.0
241	54	-5.12	1.54	-0.15	4.78e-05	-5.69e-06	0.0
241	61	-1.53	-5.09	-0.15	7.06e-05	-3.51e-06	0.0
241	76	1.54	5.11	-0.15	3.56e-05	-2.78e-06	0.0
241	79	-5.55e-04	0.02	-0.09	3.99e-05	0.0	0.0
241	80	-4.24e-05	7.75e-03	-0.15	5.31e-05	-3.65e-06	0.0
241	83	-5.57e-04	0.02	-0.09	3.97e-05	0.0	0.0
241	84	8.31e-05	7.07e-03	-0.16	5.62e-05	-4.34e-06	0.0
242	3	-5.50e-04	0.02	-0.12	-4.10e-05	2.46e-05	0.0
242	4	5.83e-04	7.56e-03	-0.18	-1.66e-05	-6.21e-05	-4.89e-06
242	8	7.11e-04	2.24e-03	-0.15	-7.98e-06	-6.76e-05	-5.12e-06
242	16	12.85	1.20	-0.16	-9.35e-05	1.55e-04	-5.52e-03
242	23	13.66	-7.45	-0.15	0.0	1.46e-04	-9.37e-03
242	34	-4.55	13.81	-0.13	-1.47e-04	-6.75e-05	4.98e-03
242	48	5.60	0.53	-0.14	-4.87e-05	5.19e-05	-2.41e-03
242	55	5.95	-3.24	-0.14	-8.18e-06	4.81e-05	-4.09e-03
242	66	-1.98	6.02	-0.13	-7.22e-05	-4.51e-05	2.17e-03
242	77	-4.31e-04	0.02	-0.09	-2.57e-05	1.82e-05	0.0
242	79	-4.29e-04	0.02	-0.09	-2.71e-05	1.84e-05	0.0
242	80	1.75e-04	7.73e-03	-0.12	-1.42e-05	-2.79e-05	-2.31e-06
242	81	-4.31e-04	0.02	-0.09	-2.57e-05	1.82e-05	0.0
242	83	-4.24e-04	0.02	-0.09	-3.04e-05	1.88e-05	0.0
242	84	3.31e-04	7.05e-03	-0.13	-1.42e-05	-3.90e-05	-3.15e-06
243	3	-5.55e-04	0.02	-0.12	-4.60e-05	4.32e-05	0.0
243	4	5.43e-04	7.63e-03	-0.19	9.65e-06	-5.24e-05	0.0
243	8	6.72e-04	2.30e-03	-0.16	1.95e-05	-6.22e-05	0.0
243	16	12.84	1.64	-0.16	-7.80e-05	9.47e-05	0.0
243	23	13.63	-6.69	-0.15	-2.29e-05	8.03e-05	0.0
243	34	-4.53	13.41	-0.13	-7.35e-05	-3.03e-05	0.0

243	48	5.59	0.72	-0.14	-3.48e-05	3.07e-05	0.0
243	55	5.94	-2.91	-0.14	-1.07e-05	2.45e-05	0.0
243	66	-1.98	5.85	-0.13	-3.28e-05	-2.38e-05	0.0
243	77	-4.35e-04	0.02	-0.09	-2.97e-05	3.20e-05	0.0
243	79	-4.33e-04	0.02	-0.09	-3.11e-05	3.23e-05	0.0
243	80	1.53e-04	7.77e-03	-0.13	-1.36e-06	-1.87e-05	0.0
243	81	-4.35e-04	0.02	-0.09	-2.97e-05	3.20e-05	0.0
243	83	-4.29e-04	0.02	-0.09	-3.43e-05	3.30e-05	0.0
243	84	3.03e-04	7.10e-03	-0.14	2.79e-06	-3.07e-05	0.0
244	3	-4.18e-04	0.02	-0.13	-6.44e-05	2.88e-05	0.0
244	4	7.09e-04	7.68e-03	-0.19	4.83e-06	-2.33e-05	0.0
244	8	8.08e-04	2.35e-03	-0.16	1.88e-05	-2.98e-05	0.0
244	16	13.26	1.65	-0.16	-9.15e-05	1.10e-04	0.0
244	23	14.34	-6.68	-0.15	-2.77e-05	9.77e-05	0.0
244	34	-4.91	13.40	-0.14	-9.25e-05	-2.19e-05	0.0
244	48	5.78	0.72	-0.14	-4.41e-05	4.46e-05	0.0
244	55	6.25	-2.91	-0.14	-1.63e-05	3.91e-05	0.0
244	66	-2.14	5.84	-0.13	-4.45e-05	-1.30e-05	0.0
244	77	-3.42e-04	0.02	-0.09	-4.28e-05	2.13e-05	0.0
244	79	-3.37e-04	0.02	-0.09	-4.44e-05	2.15e-05	0.0
244	80	2.64e-04	7.80e-03	-0.13	-7.49e-06	-6.24e-06	0.0
244	83	-3.26e-04	0.02	-0.10	-4.83e-05	2.20e-05	0.0
244	84	4.26e-04	7.13e-03	-0.14	-2.12e-06	-1.27e-05	0.0
245	3	-4.06e-04	0.02	-0.13	-4.68e-05	1.09e-05	0.0
245	4	7.69e-04	7.52e-03	-0.18	-1.77e-05	-3.54e-05	-7.08e-06
245	8	8.66e-04	2.21e-03	-0.16	-7.75e-06	-3.78e-05	-7.10e-06
245	16	13.27	1.20	-0.17	-9.79e-05	1.62e-04	-5.52e-03
245	23	14.36	-7.45	-0.16	0.0	1.57e-04	-9.37e-03
245	34	-4.92	13.81	-0.14	-1.55e-04	-6.08e-05	4.98e-03
245	48	5.78	0.53	-0.14	-5.16e-05	6.11e-05	-2.41e-03
245	55	6.26	-3.24	-0.14	-9.31e-06	5.91e-05	-4.09e-03
245	66	-2.15	6.02	-0.13	-7.65e-05	-3.58e-05	2.17e-03
245	77	-3.35e-04	0.02	-0.09	-2.99e-05	8.04e-06	0.0
245	79	-3.29e-04	0.02	-0.09	-3.14e-05	8.13e-06	0.0
245	80	2.98e-04	7.70e-03	-0.13	-1.59e-05	-1.66e-05	-3.67e-06
245	83	-3.17e-04	0.02	-0.10	-3.49e-05	8.33e-06	0.0
245	84	4.67e-04	7.02e-03	-0.14	-1.55e-05	-2.25e-05	-4.69e-06
246	3	-2.04e-04	0.02	-0.13	-6.31e-05	7.75e-06	-6.53e-06
246	4	9.55e-04	7.70e-03	-0.19	0.0	-8.13e-06	0.0
246	8	1.01e-03	2.37e-03	-0.16	1.28e-05	-9.91e-06	1.16e-06
246	16	13.68	1.66	-0.17	-9.43e-05	1.70e-04	-5.52e-03
246	23	15.07	-6.66	-0.15	5.49e-06	1.69e-04	-9.37e-03
246	34	-5.30	13.39	-0.14	-1.55e-04	-4.93e-05	4.98e-03
246	48	5.96	0.73	-0.14	-4.69e-05	7.28e-05	-2.41e-03
246	55	6.57	-2.90	-0.14	-3.45e-06	7.21e-05	-4.08e-03
246	66	-2.31	5.84	-0.13	-7.35e-05	-2.29e-05	2.17e-03
246	79	-1.86e-04	0.02	-0.10	-4.35e-05	5.90e-06	-4.81e-06
246	80	4.32e-04	7.81e-03	-0.13	-1.03e-05	-2.58e-06	-1.50e-06
246	83	-1.64e-04	0.02	-0.10	-4.73e-05	5.95e-06	-4.97e-06
246	84	6.09e-04	7.14e-03	-0.14	-5.83e-06	-4.64e-06	0.0
247	3	-8.08e-04	0.02	-0.11	-3.52e-05	5.42e-05	0.0
247	4	2.49e-04	6.68e-03	-0.19	-2.79e-05	2.05e-04	0.0
247	13	-10.23	-5.34	-0.14	-2.99e-05	3.53e-05	0.0
247	41	-2.25	-13.27	-0.15	5.28e-05	6.12e-05	0.0
247	44	2.25	13.29	-0.11	-8.99e-05	1.78e-04	0.0
247	45	-4.46	-2.32	-0.13	-2.35e-05	8.30e-05	0.0
247	73	-0.98	-5.78	-0.14	1.26e-05	9.42e-05	0.0
247	76	0.98	5.79	-0.12	-4.96e-05	1.45e-04	0.0
247	79	-6.16e-04	0.02	-0.09	-2.24e-05	3.91e-05	0.0
247	80	-5.23e-05	7.18e-03	-0.13	-1.85e-05	1.20e-04	0.0
247	83	-6.20e-04	0.02	-0.09	-2.59e-05	4.10e-05	0.0
247	84	8.42e-05	6.43e-03	-0.14	-2.11e-05	1.42e-04	0.0
248	3	-7.65e-04	0.02	-0.12	-2.44e-05	6.02e-05	0.0
248	4	3.34e-04	7.02e-03	-0.21	-1.99e-05	1.85e-04	0.0
248	16	10.20	4.90	-0.13	-1.44e-05	1.82e-04	0.0
248	41	-2.22	-12.88	-0.15	7.49e-05	6.09e-05	0.0
248	44	2.22	12.89	-0.12	-9.73e-05	1.61e-04	0.0
248	48	4.45	2.14	-0.13	-1.26e-05	1.42e-04	0.0
248	73	-0.97	-5.61	-0.14	2.63e-05	8.90e-05	0.0
248	76	0.97	5.62	-0.13	-4.88e-05	1.32e-04	0.0
248	79	-5.83e-04	0.02	-0.09	-1.36e-05	4.39e-05	0.0
248	80	2.43e-06	7.40e-03	-0.14	-1.12e-05	1.11e-04	0.0
248	83	-5.87e-04	0.02	-0.09	-1.75e-05	4.57e-05	0.0
248	84	1.45e-04	6.67e-03	-0.15	-1.45e-05	1.29e-04	0.0
249	3	-1.04e-03	0.02	-0.13	-1.30e-04	8.59e-06	1.25e-06
249	4	-4.99e-04	7.72e-03	-0.19	3.80e-05	2.39e-05	0.0
249	22	-15.07	2.72	-0.14	-7.26e-05	-1.43e-04	9.37e-03

249	38	-3.42	11.73	-0.16	-1.74e-04	-3.17e-05	-2.67e-04
249	44	5.21	12.11	-0.15	-1.61e-04	6.17e-05	-4.73e-03
249	54	-6.57	1.19	-0.13	-3.40e-05	-5.39e-05	4.08e-03
249	70	-1.49	5.12	-0.14	-7.83e-05	-5.65e-06	-1.16e-04
249	76	2.27	5.28	-0.14	-7.27e-05	3.51e-05	-2.06e-03
249	79	-7.83e-04	0.02	-0.10	-9.39e-05	6.34e-06	0.0
249	80	-4.96e-04	7.85e-03	-0.13	-4.16e-06	1.45e-05	0.0
249	83	-7.94e-04	0.02	-0.10	-9.86e-05	6.54e-06	0.0
249	84	-4.35e-04	7.17e-03	-0.14	1.35e-05	1.67e-05	0.0
250	3	-6.11e-04	0.02	-0.10	-1.79e-04	-4.31e-05	0.0
250	4	7.21e-04	7.43e-03	-0.20	-2.89e-04	-1.96e-05	0.0
250	6	8.66e-04	-1.39e-03	-0.17	-2.40e-04	-9.96e-06	0.0
250	16	9.26	3.99	-0.13	-2.18e-04	3.39e-06	0.0
250	39	3.63	-11.72	-0.15	-7.79e-05	-3.67e-05	0.0
250	44	1.42	12.11	-0.11	-3.01e-04	6.09e-06	0.0
250	48	4.04	1.74	-0.13	-2.02e-04	-1.03e-05	0.0
250	71	1.58	-5.10	-0.14	-1.42e-04	-2.78e-05	0.0
250	76	0.62	5.28	-0.12	-2.39e-04	-9.10e-06	0.0
250	79	-4.67e-04	0.02	-0.08	-1.32e-04	-3.33e-05	0.0
250	80	2.43e-04	7.66e-03	-0.13	-1.91e-04	-2.08e-05	0.0
250	83	-4.69e-04	0.02	-0.08	-1.36e-04	-3.32e-05	0.0
250	84	4.19e-04	6.96e-03	-0.14	-2.10e-04	-1.76e-05	0.0
251	3	-6.74e-04	0.02	-0.10	-1.38e-04	-2.56e-06	0.0
251	4	6.12e-04	7.53e-03	-0.20	-2.12e-04	-8.09e-06	0.0
251	6	7.72e-04	-1.30e-03	-0.18	-1.72e-04	-7.48e-06	0.0
251	16	9.26	3.52	-0.13	-1.57e-04	-3.84e-05	0.0
251	34	-1.31	11.71	-0.11	-2.01e-04	-3.43e-06	0.0
251	39	3.63	-11.69	-0.15	-7.90e-05	-1.93e-05	0.0
251	48	4.04	1.54	-0.13	-1.48e-04	-1.95e-05	0.0
251	66	-0.57	5.11	-0.12	-1.66e-04	-4.26e-06	0.0
251	71	1.58	-5.09	-0.14	-1.13e-04	-1.12e-05	0.0
251	79	-5.16e-04	0.02	-0.08	-1.00e-04	-1.95e-06	0.0
251	80	1.70e-04	7.72e-03	-0.13	-1.40e-04	-4.91e-06	0.0
251	83	-5.18e-04	0.02	-0.08	-1.05e-04	-1.96e-06	0.0
251	84	3.40e-04	7.03e-03	-0.14	-1.54e-04	-5.65e-06	0.0
252	3	-9.04e-04	0.02	-0.12	-3.12e-05	-2.79e-05	0.0
252	4	-2.96e-04	6.91e-03	-0.18	-4.90e-06	9.80e-05	5.61e-06
252	18	-12.45	1.17	-0.16	-8.11e-05	-1.39e-04	5.59e-03
252	22	-12.95	-0.42	-0.15	-6.87e-05	-1.37e-04	9.37e-03
252	44	4.14	13.70	-0.12	-1.37e-04	8.90e-05	-4.73e-03
252	50	-5.43	0.51	-0.14	-3.87e-05	-3.46e-05	2.44e-03
252	54	-5.64	-0.18	-0.14	-3.33e-05	-3.39e-05	4.09e-03
252	76	1.80	5.97	-0.12	-6.30e-05	6.47e-05	-2.06e-03
252	79	-6.86e-04	0.02	-0.09	-1.99e-05	-2.11e-05	0.0
252	80	-3.62e-04	7.36e-03	-0.12	-5.95e-06	4.60e-05	3.00e-06
252	83	-6.93e-04	0.02	-0.09	-2.30e-05	-2.14e-05	0.0
252	84	-2.88e-04	6.60e-03	-0.13	-5.47e-06	6.26e-05	3.77e-06
253	3	-6.71e-04	0.04	-0.13	-3.25e-05	-8.44e-06	-2.45e-06
253	4	1.35e-03	0.02	-0.19	-2.13e-05	-5.80e-06	2.20e-06
253	6	1.53e-03	3.38e-03	-0.15	-7.33e-06	-3.36e-06	2.29e-06
253	16	13.72	1.23	-0.18	-8.85e-05	1.05e-04	-5.48e-03
253	23	15.10	-7.43	-0.16	-3.09e-05	9.87e-05	-9.35e-03
253	34	-5.31	13.84	-0.15	-9.15e-05	-3.12e-05	4.98e-03
253	48	5.98	0.55	-0.15	-4.67e-05	4.30e-05	-2.39e-03
253	55	6.58	-3.23	-0.14	-2.16e-05	4.03e-05	-4.07e-03
253	66	-2.31	6.04	-0.14	-4.80e-05	-1.63e-05	2.17e-03
253	78	5.83e-04	0.01	-0.13	-1.30e-05	-4.63e-06	0.0
253	79	-4.98e-04	0.03	-0.10	-2.04e-05	-6.15e-06	-2.21e-06
253	80	5.77e-04	0.02	-0.13	-1.45e-05	-4.74e-06	0.0
253	82	8.52e-04	0.01	-0.14	-1.15e-05	-4.28e-06	0.0
253	83	-5.12e-04	0.03	-0.10	-2.39e-05	-6.41e-06	-1.97e-06
253	84	8.33e-04	0.01	-0.14	-1.64e-05	-4.65e-06	1.13e-06
254	3	-1.19e-04	0.04	-0.13	-3.63e-05	-3.06e-06	-8.50e-06
254	4	1.71e-03	0.02	-0.19	-2.64e-05	1.51e-06	-5.24e-06
254	8	1.74e-03	8.23e-03	-0.16	-1.88e-05	2.17e-06	-3.21e-06
254	16	13.72	1.22	-0.18	-8.82e-05	1.05e-04	-5.49e-03
254	23	15.10	-7.43	-0.16	-3.45e-05	1.00e-04	-9.36e-03
254	34	-5.31	13.83	-0.14	-8.99e-05	-2.62e-05	4.98e-03
254	48	5.98	0.54	-0.15	-4.88e-05	4.61e-05	-2.40e-03
254	55	6.58	-3.23	-0.14	-2.54e-05	4.38e-05	-4.08e-03
254	66	-2.31	6.04	-0.14	-4.95e-05	-1.12e-05	2.17e-03
254	79	-1.02e-04	0.02	-0.10	-2.36e-05	-2.10e-06	-6.92e-06
254	80	8.73e-04	0.01	-0.13	-1.84e-05	0.0	-5.19e-06
254	83	-9.41e-05	0.03	-0.10	-2.68e-05	-2.29e-06	-6.63e-06
254	84	1.12e-03	0.01	-0.14	-2.03e-05	0.0	-4.46e-06
255	3	9.99e-05	0.03	-0.13	-3.88e-05	0.0	-1.21e-05
255	4	1.64e-03	0.01	-0.19	-2.96e-05	4.91e-06	-1.04e-05

255	16	13.71	1.22	-0.18	-8.98e-05	1.07e-04	-5.51e-03
255	23	15.09	-7.44	-0.16	-3.70e-05	1.02e-04	-9.37e-03
255	34	-5.30	13.83	-0.14	-9.10e-05	-2.34e-05	4.98e-03
255	48	5.97	0.54	-0.15	-5.08e-05	4.82e-05	-2.40e-03
255	55	6.58	-3.23	-0.14	-2.78e-05	4.57e-05	-4.09e-03
255	66	-2.31	6.03	-0.14	-5.13e-05	-8.73e-06	2.16e-03
255	79	5.18e-05	0.02	-0.10	-2.56e-05	0.0	-9.52e-06
255	80	8.74e-04	0.01	-0.13	-2.07e-05	2.63e-06	-8.60e-06
255	83	7.06e-05	0.03	-0.10	-2.88e-05	0.0	-9.35e-06
255	84	1.10e-03	0.01	-0.14	-2.26e-05	3.26e-06	-8.21e-06
256	3	1.50e-04	0.03	-0.13	-4.11e-05	0.0	-1.18e-05
256	4	1.40e-03	0.01	-0.19	-3.13e-05	5.54e-06	-1.16e-05
256	16	13.70	1.21	-0.18	-9.15e-05	1.08e-04	-5.52e-03
256	23	15.08	-7.44	-0.16	-3.83e-05	1.03e-04	-9.38e-03
256	34	-5.30	13.82	-0.14	-9.30e-05	-2.28e-05	4.98e-03
256	48	5.97	0.53	-0.15	-5.24e-05	4.90e-05	-2.41e-03
256	55	6.57	-3.24	-0.14	-2.92e-05	4.65e-05	-4.09e-03
256	66	-2.31	6.03	-0.14	-5.30e-05	-8.12e-06	2.16e-03
256	79	8.34e-05	0.02	-0.10	-2.74e-05	0.0	-9.08e-06
256	80	7.50e-04	0.01	-0.13	-2.21e-05	3.20e-06	-8.93e-06
256	83	1.08e-04	0.02	-0.10	-3.06e-05	0.0	-9.09e-06
256	84	9.40e-04	0.01	-0.14	-2.40e-05	3.80e-06	-8.92e-06
257	3	7.58e-05	0.03	-0.13	-4.45e-05	2.70e-06	-7.89e-06
257	4	1.13e-03	9.67e-03	-0.19	-3.12e-05	3.14e-06	-8.58e-06
257	16	13.69	1.20	-0.18	-9.34e-05	1.17e-04	-5.52e-03
257	23	15.07	-7.44	-0.16	-3.38e-05	1.13e-04	-9.38e-03
257	34	-5.30	13.81	-0.14	-1.04e-04	-2.77e-05	4.98e-03
257	48	5.97	0.53	-0.15	-5.35e-05	5.23e-05	-2.41e-03
257	55	6.57	-3.24	-0.14	-2.76e-05	5.03e-05	-4.09e-03
257	66	-2.31	6.02	-0.13	-5.81e-05	-1.08e-05	2.17e-03
257	79	2.38e-05	0.02	-0.10	-2.98e-05	2.04e-06	-5.88e-06
257	80	5.86e-04	9.28e-03	-0.13	-2.28e-05	2.27e-06	-6.25e-06
257	83	4.98e-05	0.02	-0.10	-3.31e-05	2.07e-06	-6.02e-06
257	84	7.53e-04	8.70e-03	-0.14	-2.43e-05	2.36e-06	-6.48e-06
258	3	-1.16e-03	0.03	-0.10	0.0	1.92e-05	-7.30e-06
258	4	-5.06e-03	9.01e-03	-0.17	0.0	-2.87e-06	-1.66e-05
258	13	-9.28	-1.19	-0.12	0.0	-1.79e-04	5.51e-03
258	34	-1.31	13.81	-0.07	0.0	-4.97e-05	4.98e-03
258	35	1.31	-13.80	-0.15	0.0	5.61e-05	-5.00e-03
258	45	-4.04	-0.51	-0.11	0.0	-7.60e-05	2.39e-03
258	66	-0.57	6.02	-0.09	0.0	-1.98e-05	2.16e-03
258	67	0.57	-6.01	-0.13	0.0	2.62e-05	-2.18e-03
258	79	-8.29e-04	0.02	-0.08	0.0	1.50e-05	-5.41e-06
258	80	-2.91e-03	8.75e-03	-0.11	0.0	3.21e-06	-1.03e-05
258	83	-8.80e-04	0.02	-0.08	0.0	1.48e-05	-5.56e-06
258	84	-3.48e-03	8.18e-03	-0.12	0.0	0.0	-1.17e-05
259	3	1.42e-03	0.03	-0.10	0.0	4.32e-05	-4.91e-06
259	4	-1.42e-03	0.01	-0.17	0.0	8.38e-05	-8.82e-06
259	8	-1.76e-03	4.65e-03	-0.14	0.0	7.39e-05	-7.74e-06
259	13	-9.29	-1.19	-0.12	0.0	-1.61e-04	5.50e-03
259	34	-1.31	13.82	-0.07	0.0	1.07e-05	4.98e-03
259	35	1.31	-13.80	-0.15	0.0	9.77e-05	-4.99e-03
259	45	-4.05	-0.51	-0.12	0.0	-3.94e-05	2.40e-03
259	66	-0.57	6.03	-0.10	0.0	3.53e-05	2.17e-03
259	67	0.57	-6.01	-0.13	0.0	7.32e-05	-2.18e-03
259	77	1.16e-03	0.02	-0.08	0.0	3.24e-05	-3.41e-06
259	79	1.14e-03	0.02	-0.08	0.0	3.26e-05	-3.50e-06
259	80	-3.72e-04	0.01	-0.11	0.0	5.42e-05	-5.58e-06
259	81	1.16e-03	0.02	-0.08	0.0	3.24e-05	-3.41e-06
259	83	1.11e-03	0.02	-0.08	0.0	3.30e-05	-3.71e-06
259	84	-7.87e-04	9.78e-03	-0.12	0.0	6.01e-05	-6.31e-06
260	3	4.84e-03	0.03	-0.10	0.0	4.03e-05	-1.69e-06
260	4	6.45e-03	0.01	-0.17	0.0	1.07e-04	1.85e-06
260	16	9.31	1.22	-0.11	0.0	2.94e-04	-5.50e-03
260	34	-1.31	13.83	-0.07	0.0	2.76e-05	4.99e-03
260	35	1.32	-13.80	-0.15	0.0	1.04e-04	-4.98e-03
260	48	4.06	0.54	-0.11	0.0	1.65e-04	-2.39e-03
260	66	-0.57	6.03	-0.10	0.0	4.92e-05	2.17e-03
260	67	0.58	-6.01	-0.13	0.0	8.25e-05	-2.17e-03
260	79	3.71e-03	0.02	-0.08	0.0	3.02e-05	0.0
260	80	4.57e-03	0.01	-0.11	0.0	6.59e-05	0.0
260	83	3.72e-03	0.02	-0.08	0.0	3.08e-05	-1.22e-06
260	84	4.79e-03	0.01	-0.12	0.0	7.54e-05	1.14e-06
261	3	7.02e-03	0.04	-0.10	0.0	1.07e-05	2.17e-06
261	4	0.01	0.02	-0.17	0.0	6.46e-05	1.31e-05
261	16	9.33	1.22	-0.11	0.0	2.56e-04	-5.47e-03
261	34	-1.31	13.83	-0.07	0.0	-1.22e-06	4.99e-03

261	35	1.33	-13.81	-0.15	0.0	7.45e-05	-4.98e-03
261	48	4.07	0.54	-0.11	0.0	1.32e-04	-2.38e-03
261	66	-0.57	6.03	-0.10	0.0	2.01e-05	2.18e-03
261	67	0.58	-6.01	-0.13	0.0	5.31e-05	-2.16e-03
261	79	5.34e-03	0.02	-0.08	0.0	7.85e-06	2.03e-06
261	80	8.85e-03	0.01	-0.11	0.0	3.66e-05	7.86e-06
261	83	5.38e-03	0.03	-0.08	0.0	8.12e-06	1.76e-06
261	84	9.77e-03	0.01	-0.12	0.0	4.41e-05	9.04e-06
262	3	6.07e-03	0.04	-0.10	0.0	-4.14e-05	5.67e-06
262	4	0.02	0.02	-0.17	0.0	-3.94e-05	2.12e-05
262	16	9.35	1.23	-0.11	0.0	1.53e-04	-5.46e-03
262	34	-1.31	13.84	-0.07	0.0	-7.35e-05	5.00e-03
262	35	1.33	-13.81	-0.15	0.0	1.28e-05	-4.97e-03
262	48	4.08	0.54	-0.11	0.0	4.95e-05	-2.37e-03
262	66	-0.57	6.04	-0.10	0.0	-4.91e-05	2.18e-03
262	67	0.59	-6.01	-0.13	0.0	-2.16e-05	-2.16e-03
262	79	4.61e-03	0.03	-0.08	0.0	-3.14e-05	4.67e-06
262	80	9.45e-03	0.01	-0.11	0.0	-3.03e-05	1.30e-05
262	83	4.65e-03	0.03	-0.08	0.0	-3.17e-05	4.44e-06
262	84	0.01	0.01	-0.12	0.0	-3.04e-05	1.48e-05
263	3	2.43e-04	0.03	-0.13	0.0	7.01e-06	9.59e-06
263	4	-5.95e-05	9.57e-03	-0.19	0.0	3.43e-06	-1.38e-05
263	16	13.28	1.20	-0.17	0.0	1.22e-04	-5.52e-03
263	22	-14.37	7.46	-0.10	0.0	-1.10e-04	9.37e-03
263	34	-4.93	13.81	-0.14	0.0	-2.65e-05	4.98e-03
263	48	5.79	0.53	-0.15	0.0	5.51e-05	-2.41e-03
263	54	-6.26	3.26	-0.11	0.0	-4.59e-05	4.08e-03
263	66	-2.15	6.02	-0.13	0.0	-9.66e-06	2.17e-03
263	79	1.54e-04	0.02	-0.10	0.0	5.24e-06	7.30e-06
263	80	-7.42e-06	9.20e-03	-0.13	0.0	3.33e-06	-5.19e-06
263	83	1.79e-04	0.02	-0.10	0.0	5.35e-06	7.36e-06
263	84	-2.30e-05	8.62e-03	-0.14	0.0	2.97e-06	-8.25e-06
264	3	7.63e-04	0.03	-0.13	0.0	7.88e-06	2.10e-05
264	4	9.40e-04	0.01	-0.19	0.0	1.97e-05	0.0
264	16	13.29	1.21	-0.17	0.0	1.23e-04	-5.50e-03
264	23	14.38	-7.44	-0.16	0.0	1.17e-04	-9.36e-03
264	34	-4.93	13.82	-0.14	0.0	-1.50e-05	4.99e-03
264	48	5.79	0.53	-0.15	0.0	6.06e-05	-2.39e-03
264	55	6.27	-3.24	-0.14	0.0	5.77e-05	-4.08e-03
264	66	-2.15	6.03	-0.13	0.0	0.0	2.18e-03
264	79	5.44e-04	0.02	-0.10	0.0	5.93e-06	1.59e-05
264	80	6.38e-04	0.01	-0.13	0.0	1.22e-05	4.94e-06
264	83	5.76e-04	0.02	-0.10	0.0	6.03e-06	1.61e-05
264	84	6.94e-04	0.01	-0.14	0.0	1.39e-05	2.38e-06
265	3	1.39e-03	0.03	-0.13	0.0	8.67e-06	3.48e-05
265	4	2.65e-03	0.01	-0.19	0.0	2.42e-05	2.81e-05
265	16	13.30	1.22	-0.17	0.0	1.26e-04	-5.47e-03
265	23	14.39	-7.44	-0.16	0.0	1.19e-04	-9.34e-03
265	34	-4.93	13.83	-0.14	0.0	-1.20e-05	5.01e-03
265	48	5.79	0.54	-0.15	0.0	6.34e-05	-2.37e-03
265	55	6.27	-3.23	-0.14	0.0	6.03e-05	-4.05e-03
265	66	-2.15	6.03	-0.13	0.0	3.18e-06	2.19e-03
265	79	1.02e-03	0.02	-0.10	0.0	6.63e-06	2.64e-05
265	80	1.69e-03	0.01	-0.13	0.0	1.49e-05	2.28e-05
265	83	1.05e-03	0.03	-0.10	0.0	6.66e-06	2.67e-05
265	84	1.90e-03	0.01	-0.14	0.0	1.70e-05	2.22e-05
266	3	1.94e-03	0.04	-0.13	0.0	3.75e-06	4.65e-05
266	4	4.31e-03	0.02	-0.19	0.0	1.66e-05	5.47e-05
266	16	13.31	1.22	-0.17	0.0	1.22e-04	-5.45e-03
266	23	14.40	-7.43	-0.16	0.0	1.15e-04	-9.31e-03
266	34	-4.93	13.83	-0.14	0.0	-1.78e-05	5.02e-03
266	48	5.80	0.54	-0.15	0.0	5.88e-05	-2.35e-03
266	55	6.27	-3.23	-0.14	0.0	5.59e-05	-4.03e-03
266	66	-2.15	6.04	-0.13	0.0	-2.14e-06	2.21e-03
266	79	1.44e-03	0.02	-0.10	0.0	3.07e-06	3.52e-05
266	80	2.71e-03	0.01	-0.13	0.0	9.95e-06	3.96e-05
266	83	1.48e-03	0.03	-0.10	0.0	2.93e-06	3.56e-05
266	84	3.06e-03	0.01	-0.14	0.0	1.15e-05	4.11e-05
267	3	1.70e-03	0.04	-0.13	0.0	-1.63e-05	4.47e-05
267	4	4.76e-03	0.02	-0.19	0.0	-1.30e-05	6.07e-05
267	16	13.32	1.23	-0.17	0.0	1.05e-04	-5.44e-03
267	23	14.41	-7.43	-0.16	0.0	9.79e-05	-9.30e-03
267	34	-4.93	13.84	-0.14	0.0	-3.76e-05	5.02e-03
267	48	5.80	0.55	-0.15	0.0	4.00e-05	-2.34e-03
267	55	6.28	-3.23	-0.14	0.0	3.68e-05	-4.03e-03
267	66	-2.15	6.04	-0.13	0.0	-2.22e-05	2.21e-03
267	79	1.29e-03	0.03	-0.10	0.0	-1.22e-05	3.39e-05

267	80	2.92e-03	0.01	-0.13	0.0	-1.04e-05	4.24e-05
267	83	1.30e-03	0.03	-0.10	0.0	-1.25e-05	3.43e-05
267	84	3.34e-03	0.01	-0.14	0.0	-1.02e-05	4.49e-05
268	3	1.11e-03	0.03	-0.12	0.0	2.03e-05	1.12e-05
268	4	-1.00e-03	9.55e-03	-0.18	0.0	7.83e-06	-1.02e-05
268	6	-1.31e-03	-3.87e-04	-0.15	0.0	2.70e-06	-1.28e-05
268	16	12.86	1.20	-0.16	0.0	1.38e-04	-5.52e-03
268	22	-13.67	7.46	-0.10	0.0	-1.14e-04	9.37e-03
268	34	-4.55	13.81	-0.13	0.0	-2.34e-05	4.99e-03
268	48	5.61	0.53	-0.14	0.0	6.51e-05	-2.41e-03
268	54	-5.96	3.26	-0.11	0.0	-4.49e-05	4.08e-03
268	66	-1.98	6.02	-0.13	0.0	-5.31e-06	2.17e-03
268	79	8.17e-04	0.02	-0.09	0.0	1.53e-05	8.64e-06
268	80	-3.10e-04	9.17e-03	-0.12	0.0	8.67e-06	-2.81e-06
268	83	8.45e-04	0.02	-0.10	0.0	1.56e-05	8.64e-06
268	84	-5.63e-04	8.60e-03	-0.13	0.0	7.23e-06	-5.67e-06
269	3	2.75e-03	0.03	-0.13	0.0	2.34e-05	2.67e-05
269	4	1.24e-03	0.01	-0.18	0.0	4.47e-05	6.18e-06
269	16	12.88	1.21	-0.16	0.0	1.49e-04	-5.50e-03
269	23	13.68	-7.44	-0.15	0.0	1.42e-04	-9.36e-03
269	34	-4.55	13.82	-0.13	0.0	0.0	5.00e-03
269	48	5.61	0.53	-0.14	0.0	8.11e-05	-2.39e-03
269	55	5.96	-3.24	-0.14	0.0	7.81e-05	-4.07e-03
269	66	-1.98	6.03	-0.13	0.0	1.60e-05	2.18e-03
269	79	2.05e-03	0.02	-0.09	0.0	1.77e-05	2.04e-05
269	80	1.25e-03	0.01	-0.13	0.0	2.91e-05	9.41e-06
269	83	2.10e-03	0.02	-0.10	0.0	1.80e-05	2.05e-05
269	84	1.10e-03	0.01	-0.14	0.0	3.21e-05	6.82e-06
270	3	4.57e-03	0.03	-0.13	0.0	2.31e-05	4.24e-05
270	4	5.24e-03	0.01	-0.19	0.0	5.49e-05	3.47e-05
270	16	12.89	1.22	-0.17	0.0	1.54e-04	-5.47e-03
270	23	13.69	-7.44	-0.16	0.0	1.46e-04	-9.33e-03
270	34	-4.55	13.83	-0.13	0.0	5.04e-06	5.01e-03
270	48	5.62	0.54	-0.14	0.0	8.65e-05	-2.37e-03
270	55	5.97	-3.23	-0.14	0.0	8.32e-05	-4.05e-03
270	66	-1.98	6.03	-0.13	0.0	2.16e-05	2.20e-03
270	79	3.43e-03	0.02	-0.09	0.0	1.75e-05	3.22e-05
270	80	3.79e-03	0.01	-0.13	0.0	3.45e-05	2.81e-05
270	83	3.50e-03	0.03	-0.10	0.0	1.77e-05	3.25e-05
270	84	3.94e-03	0.01	-0.14	0.0	3.89e-05	2.74e-05
271	3	5.97e-03	0.04	-0.13	0.0	8.57e-06	5.15e-05
271	4	8.96e-03	0.02	-0.19	0.0	3.47e-05	5.87e-05
271	16	12.90	1.22	-0.17	0.0	1.42e-04	-5.45e-03
271	23	13.70	-7.43	-0.16	0.0	1.34e-04	-9.31e-03
271	34	-4.55	13.83	-0.13	0.0	-9.09e-06	5.03e-03
271	48	5.62	0.54	-0.14	0.0	7.35e-05	-2.35e-03
271	55	5.97	-3.23	-0.14	0.0	7.00e-05	-4.03e-03
271	66	-1.98	6.04	-0.13	0.0	7.68e-06	2.21e-03
271	79	4.50e-03	0.02	-0.09	0.0	6.69e-06	3.90e-05
271	80	6.09e-03	0.01	-0.13	0.0	2.06e-05	4.28e-05
271	83	4.57e-03	0.03	-0.10	0.0	6.61e-06	3.95e-05
271	84	6.56e-03	0.01	-0.14	0.0	2.40e-05	4.43e-05
272	3	5.29e-03	0.04	-0.13	0.0	-3.78e-05	4.37e-05
272	4	9.58e-03	0.02	-0.19	0.0	-3.44e-05	5.85e-05
272	16	12.91	1.23	-0.17	0.0	9.49e-05	-5.44e-03
272	23	13.71	-7.43	-0.16	0.0	8.70e-05	-9.30e-03
272	34	-4.55	13.84	-0.13	0.0	-5.58e-05	5.02e-03
272	48	5.63	0.55	-0.14	0.0	2.63e-05	-2.35e-03
272	55	5.98	-3.23	-0.14	0.0	2.29e-05	-4.03e-03
272	66	-1.98	6.04	-0.13	0.0	-3.94e-05	2.21e-03
272	79	4.01e-03	0.03	-0.09	0.0	-2.84e-05	3.30e-05
272	80	6.29e-03	0.01	-0.13	0.0	-2.67e-05	4.09e-05
272	83	4.06e-03	0.03	-0.10	0.0	-2.89e-05	3.35e-05
272	84	6.91e-03	0.01	-0.14	0.0	-2.67e-05	4.33e-05
273	3	1.71e-03	0.03	-0.12	0.0	3.28e-05	4.21e-06
273	4	-1.77e-03	9.51e-03	-0.18	0.0	1.21e-05	-9.93e-06
273	6	-2.21e-03	-4.06e-04	-0.15	0.0	3.90e-06	-1.06e-05
273	16	12.45	1.20	-0.16	0.0	1.52e-04	-5.53e-03
273	22	-12.96	7.46	-0.10	0.0	-1.17e-04	9.38e-03
273	34	-4.18	13.81	-0.12	0.0	-2.04e-05	4.98e-03
273	48	5.42	0.53	-0.14	0.0	7.39e-05	-2.41e-03
273	54	-5.65	3.26	-0.11	0.0	-4.33e-05	4.08e-03
273	66	-1.82	6.02	-0.12	0.0	-1.14e-06	2.17e-03
273	79	1.29e-03	0.02	-0.09	0.0	2.48e-05	3.43e-06
273	80	-5.71e-04	9.13e-03	-0.12	0.0	1.37e-05	-4.11e-06
273	83	1.31e-03	0.02	-0.09	0.0	2.51e-05	3.28e-06
273	84	-1.01e-03	8.57e-03	-0.13	0.0	1.13e-05	-6.14e-06

274	3	4.47e-03	0.03	-0.12	0.0	3.89e-05	1.68e-05
274	4	1.61e-03	0.01	-0.18	0.0	6.70e-05	2.60e-06
274	16	12.46	1.21	-0.16	0.0	1.73e-04	-5.51e-03
274	23	12.97	-7.44	-0.15	0.0	1.65e-04	-9.37e-03
274	34	-4.18	13.82	-0.12	0.0	1.22e-05	4.99e-03
274	48	5.43	0.53	-0.14	0.0	1.00e-04	-2.40e-03
274	55	5.65	-3.24	-0.14	0.0	9.70e-05	-4.08e-03
274	66	-1.82	6.03	-0.12	0.0	3.03e-05	2.18e-03
274	79	3.37e-03	0.02	-0.09	0.0	2.93e-05	1.29e-05
274	80	1.84e-03	0.01	-0.12	0.0	4.43e-05	5.35e-06
274	83	3.42e-03	0.02	-0.09	0.0	2.98e-05	1.29e-05
274	84	1.51e-03	0.01	-0.13	0.0	4.85e-05	3.46e-06
275	3	7.39e-03	0.03	-0.12	0.0	3.50e-05	2.91e-05
275	4	7.54e-03	0.01	-0.18	0.0	8.03e-05	2.38e-05
275	16	12.48	1.22	-0.16	0.0	1.79e-04	-5.49e-03
275	23	12.99	-7.44	-0.15	0.0	1.70e-04	-9.35e-03
275	34	-4.18	13.83	-0.12	0.0	1.93e-05	5.00e-03
275	48	5.44	0.54	-0.14	0.0	1.07e-04	-2.38e-03
275	55	5.66	-3.23	-0.14	0.0	1.03e-04	-4.06e-03
275	66	-1.82	6.03	-0.12	0.0	3.70e-05	2.19e-03
275	79	5.58e-03	0.02	-0.09	0.0	2.64e-05	2.21e-05
275	80	5.66e-03	0.01	-0.12	0.0	5.06e-05	1.92e-05
275	83	5.66e-03	0.02	-0.09	0.0	2.68e-05	2.23e-05
275	84	5.76e-03	0.01	-0.13	0.0	5.70e-05	1.88e-05
276	3	9.33e-03	0.04	-0.12	0.0	9.19e-06	3.42e-05
276	4	0.01	0.02	-0.18	0.0	4.66e-05	3.99e-05
276	16	12.49	1.22	-0.16	0.0	1.58e-04	-5.47e-03
276	23	13.00	-7.43	-0.15	0.0	1.49e-04	-9.33e-03
276	34	-4.18	13.83	-0.12	0.0	-4.38e-06	5.01e-03
276	48	5.45	0.54	-0.14	0.0	8.41e-05	-2.37e-03
276	55	5.67	-3.23	-0.14	0.0	8.00e-05	-4.05e-03
276	66	-1.81	6.04	-0.12	0.0	1.33e-05	2.20e-03
276	79	7.04e-03	0.02	-0.09	0.0	7.03e-06	2.57e-05
276	80	8.91e-03	0.01	-0.12	0.0	2.70e-05	2.88e-05
276	83	7.15e-03	0.03	-0.09	0.0	7.06e-06	2.62e-05
276	84	9.47e-03	0.01	-0.13	0.0	3.20e-05	3.00e-05
277	3	8.01e-03	0.04	-0.12	0.0	-5.76e-05	2.65e-05
277	4	0.01	0.02	-0.18	0.0	-5.42e-05	3.80e-05
277	16	12.50	1.23	-0.16	0.0	8.89e-05	-5.46e-03
277	23	13.01	-7.43	-0.15	0.0	7.99e-05	-9.32e-03
277	34	-4.18	13.84	-0.13	0.0	-7.29e-05	5.01e-03
277	48	5.45	0.54	-0.14	0.0	1.52e-05	-2.36e-03
277	55	5.67	-3.23	-0.14	0.0	1.13e-05	-4.05e-03
277	66	-1.82	6.04	-0.13	0.0	-5.53e-05	2.20e-03
277	79	6.05e-03	0.03	-0.09	0.0	-4.35e-05	1.98e-05
277	80	8.88e-03	0.01	-0.13	0.0	-4.17e-05	2.59e-05
277	83	6.14e-03	0.03	-0.09	0.0	-4.41e-05	2.03e-05
277	84	9.67e-03	0.01	-0.13	0.0	-4.19e-05	2.79e-05
278	3	1.69e-03	0.03	-0.12	0.0	3.93e-05	-4.14e-06
278	4	-2.59e-03	9.46e-03	-0.18	0.0	1.31e-05	-1.11e-05
278	6	-2.99e-03	-4.46e-04	-0.15	0.0	3.39e-06	-9.61e-06
278	16	12.04	1.20	-0.15	0.0	1.59e-04	-5.53e-03
278	22	-12.26	7.46	-0.10	0.0	-1.21e-04	9.38e-03
278	34	-3.80	13.81	-0.12	0.0	-2.07e-05	4.98e-03
278	48	5.24	0.53	-0.13	0.0	7.83e-05	-2.41e-03
278	54	-5.34	3.26	-0.11	0.0	-4.36e-05	4.08e-03
278	66	-1.66	6.02	-0.12	0.0	0.0	2.17e-03
278	79	1.29e-03	0.02	-0.09	0.0	2.98e-05	-2.83e-06
278	80	-9.91e-04	9.08e-03	-0.12	0.0	1.58e-05	-6.53e-06
278	82	-1.56e-03	5.87e-03	-0.13	0.0	1.22e-05	-7.34e-06
278	83	1.29e-03	0.02	-0.09	0.0	3.01e-05	-3.10e-06
278	84	-1.55e-03	8.52e-03	-0.13	0.0	1.27e-05	-7.72e-06
279	3	5.20e-03	0.03	-0.12	0.0	4.99e-05	2.74e-06
279	4	1.52e-03	0.01	-0.18	0.0	8.20e-05	-4.55e-06
279	16	12.05	1.21	-0.15	0.0	1.92e-04	-5.52e-03
279	23	12.27	-7.44	-0.15	0.0	1.83e-04	-9.38e-03
279	34	-3.80	13.82	-0.12	0.0	2.14e-05	4.98e-03
279	48	5.25	0.53	-0.13	0.0	1.14e-04	-2.41e-03
279	55	5.35	-3.24	-0.13	0.0	1.11e-04	-4.09e-03
279	66	-1.66	6.03	-0.12	0.0	4.02e-05	2.17e-03
279	79	3.94e-03	0.02	-0.09	0.0	3.76e-05	2.28e-06
279	80	1.97e-03	0.01	-0.12	0.0	5.47e-05	-1.60e-06
279	83	3.98e-03	0.02	-0.09	0.0	3.82e-05	2.15e-06
279	84	1.53e-03	0.01	-0.13	0.0	5.96e-05	-2.71e-06
280	3	8.88e-03	0.03	-0.12	0.0	4.24e-05	9.99e-06
280	4	8.75e-03	0.01	-0.18	0.0	9.66e-05	7.89e-06
280	16	12.06	1.22	-0.15	0.0	1.99e-04	-5.50e-03

280	23	12.29	-7.44	-0.15	0.0	1.88e-04	-9.37e-03
280	34	-3.80	13.83	-0.12	0.0	2.88e-05	4.99e-03
280	48	5.26	0.54	-0.14	0.0	1.21e-04	-2.39e-03
280	55	5.36	-3.23	-0.13	0.0	1.16e-04	-4.08e-03
280	66	-1.65	6.03	-0.12	0.0	4.68e-05	2.18e-03
280	79	6.70e-03	0.02	-0.09	0.0	3.18e-05	7.55e-06
280	80	6.63e-03	0.01	-0.12	0.0	6.07e-05	6.42e-06
280	83	6.80e-03	0.02	-0.09	0.0	3.24e-05	7.65e-06
280	84	6.71e-03	0.01	-0.13	0.0	6.86e-05	6.25e-06
281	3	0.01	0.04	-0.12	0.0	7.86e-06	1.19e-05
281	4	0.01	0.02	-0.18	0.0	5.29e-05	1.65e-05
281	16	12.08	1.22	-0.15	0.0	1.71e-04	-5.49e-03
281	23	12.30	-7.43	-0.15	0.0	1.60e-04	-9.35e-03
281	34	-3.80	13.83	-0.12	0.0	-2.32e-06	5.00e-03
281	48	5.27	0.54	-0.14	0.0	9.13e-05	-2.39e-03
281	55	5.37	-3.23	-0.13	0.0	8.64e-05	-4.07e-03
281	66	-1.65	6.04	-0.12	0.0	1.58e-05	2.18e-03
281	79	8.35e-03	0.02	-0.09	0.0	5.83e-06	8.72e-06
281	80	0.01	0.01	-0.12	0.0	2.98e-05	1.12e-05
281	83	8.48e-03	0.03	-0.09	0.0	6.00e-06	9.04e-06
281	84	0.01	0.01	-0.13	0.0	3.60e-05	1.21e-05
282	3	9.26e-03	0.04	-0.12	0.0	-6.89e-05	7.27e-06
282	4	0.02	0.02	-0.18	0.0	-6.52e-05	1.54e-05
282	16	12.09	1.23	-0.15	0.0	9.34e-05	-5.48e-03
282	23	12.31	-7.43	-0.15	0.0	8.28e-05	-9.35e-03
282	34	-3.80	13.84	-0.12	0.0	-8.37e-05	4.99e-03
282	48	5.27	0.54	-0.14	0.0	1.25e-05	-2.38e-03
282	55	5.37	-3.23	-0.14	0.0	7.85e-06	-4.07e-03
282	66	-1.65	6.04	-0.12	0.0	-6.47e-05	2.18e-03
282	79	6.98e-03	0.03	-0.09	0.0	-5.20e-05	5.11e-06
282	80	0.01	0.01	-0.12	0.0	-5.00e-05	9.42e-06
282	83	7.09e-03	0.03	-0.09	0.0	-5.27e-05	5.47e-06
282	84	0.01	0.01	-0.13	0.0	-5.03e-05	1.09e-05
283	3	1.14e-03	0.03	-0.12	0.0	3.95e-05	-9.04e-06
283	4	-3.44e-03	9.38e-03	-0.18	0.0	1.04e-05	-1.08e-05
283	8	-3.71e-03	3.48e-03	-0.15	0.0	1.35e-06	-8.78e-06
283	13	-11.62	-1.19	-0.10	0.0	-1.32e-04	5.52e-03
283	19	11.62	-5.85	-0.15	0.0	1.62e-04	-5.61e-03
283	34	-3.43	13.81	-0.11	0.0	-2.46e-05	4.98e-03
283	45	-5.07	-0.51	-0.11	0.0	-4.96e-05	2.40e-03
283	51	5.06	-2.55	-0.13	0.0	7.87e-05	-2.45e-03
283	66	-1.50	6.02	-0.12	0.0	-2.56e-06	2.17e-03
283	79	9.00e-04	0.02	-0.09	0.0	3.00e-05	-6.58e-06
283	80	-1.55e-03	9.02e-03	-0.12	0.0	1.45e-05	-7.52e-06
283	83	8.85e-04	0.02	-0.09	0.0	3.03e-05	-6.86e-06
283	84	-2.17e-03	8.46e-03	-0.13	0.0	1.09e-05	-8.03e-06
284	3	4.95e-03	0.03	-0.12	0.0	5.54e-05	-7.84e-06
284	4	9.34e-04	0.01	-0.18	0.0	8.95e-05	-9.75e-06
284	16	11.63	1.21	-0.14	0.0	2.05e-04	-5.53e-03
284	19	11.63	-5.85	-0.15	0.0	2.04e-04	-5.60e-03
284	34	-3.43	13.82	-0.11	0.0	2.56e-05	4.98e-03
284	48	5.07	0.53	-0.13	0.0	1.23e-04	-2.41e-03
284	51	5.07	-2.54	-0.13	0.0	1.23e-04	-2.44e-03
284	66	-1.49	6.03	-0.12	0.0	4.48e-05	2.17e-03
284	79	3.77e-03	0.02	-0.09	0.0	4.15e-05	-5.76e-06
284	80	1.62e-03	0.01	-0.12	0.0	5.97e-05	-6.78e-06
284	83	3.80e-03	0.02	-0.09	0.0	4.23e-05	-5.96e-06
284	84	1.12e-03	9.99e-03	-0.13	0.0	6.51e-05	-7.23e-06
285	3	9.01e-03	0.03	-0.12	0.0	4.58e-05	-5.22e-06
285	4	8.83e-03	0.01	-0.18	0.0	1.05e-04	-4.48e-06
285	16	11.65	1.22	-0.15	0.0	2.12e-04	-5.51e-03
285	19	11.65	-5.85	-0.15	0.0	2.11e-04	-5.59e-03
285	34	-3.43	13.83	-0.11	0.0	3.37e-05	4.98e-03
285	48	5.08	0.54	-0.13	0.0	1.30e-04	-2.41e-03
285	51	5.08	-2.54	-0.13	0.0	1.29e-04	-2.44e-03
285	66	-1.49	6.03	-0.12	0.0	5.17e-05	2.17e-03
285	79	6.80e-03	0.02	-0.09	0.0	3.41e-05	-3.99e-06
285	80	6.70e-03	0.01	-0.12	0.0	6.56e-05	-3.59e-06
285	83	6.90e-03	0.02	-0.09	0.0	3.49e-05	-4.01e-06
285	84	6.78e-03	0.01	-0.13	0.0	7.44e-05	-3.52e-06
286	3	0.01	0.04	-0.12	0.0	6.21e-06	-5.12e-06
286	4	0.02	0.02	-0.18	0.0	5.54e-05	-1.05e-06
286	16	11.67	1.22	-0.15	0.0	1.79e-04	-5.50e-03
286	19	11.66	-5.84	-0.15	0.0	1.78e-04	-5.58e-03
286	34	-3.43	13.83	-0.11	0.0	-1.59e-06	4.98e-03
286	48	5.09	0.54	-0.13	0.0	9.55e-05	-2.40e-03
286	51	5.09	-2.54	-0.13	0.0	9.47e-05	-2.43e-03

286	66	-1.49	6.04	-0.12	0.0	1.66e-05	2.17e-03
286	79	8.47e-03	0.02	-0.09	0.0	4.37e-06	-4.13e-06
286	80	0.01	0.01	-0.12	0.0	3.06e-05	-1.96e-06
286	83	8.62e-03	0.03	-0.09	0.0	4.68e-06	-3.98e-06
286	84	0.01	0.01	-0.13	0.0	3.74e-05	-1.27e-06
287	3	9.20e-03	0.04	-0.12	0.0	-7.10e-05	-6.65e-06
287	4	0.02	0.02	-0.18	0.0	-6.70e-05	-1.27e-06
287	16	11.68	1.23	-0.15	0.0	1.06e-04	-5.50e-03
287	19	11.68	-5.84	-0.15	0.0	1.06e-04	-5.57e-03
287	34	-3.43	13.84	-0.11	0.0	-8.76e-05	4.98e-03
287	48	5.09	0.54	-0.13	0.0	1.73e-05	-2.40e-03
287	51	5.09	-2.54	-0.13	0.0	1.70e-05	-2.43e-03
287	66	-1.49	6.04	-0.12	0.0	-6.71e-05	2.17e-03
287	79	6.90e-03	0.03	-0.09	0.0	-5.35e-05	-5.37e-06
287	80	0.01	0.01	-0.12	0.0	-5.13e-05	-2.50e-06
287	83	7.03e-03	0.03	-0.09	0.0	-5.43e-05	-5.18e-06
287	84	0.01	0.01	-0.13	0.0	-5.17e-05	-1.59e-06
288	3	4.10e-04	0.03	-0.11	0.0	3.52e-05	-9.52e-06
288	4	-4.19e-03	9.28e-03	-0.18	0.0	5.42e-06	-8.57e-06
288	8	-4.29e-03	3.40e-03	-0.15	0.0	-2.65e-06	-6.42e-06
288	13	-11.21	-1.19	-0.10	0.0	-1.39e-04	5.52e-03
288	23	10.85	-7.44	-0.14	0.0	1.55e-04	-9.39e-03
288	34	-3.06	13.81	-0.10	0.0	-3.10e-05	4.98e-03
288	45	-4.89	-0.51	-0.11	0.0	-5.46e-05	2.40e-03
288	55	4.73	-3.24	-0.13	0.0	7.37e-05	-4.10e-03
288	66	-1.33	6.02	-0.11	0.0	-7.34e-06	2.17e-03
288	79	3.61e-04	0.02	-0.09	0.0	2.68e-05	-7.08e-06
288	80	-2.09e-03	8.95e-03	-0.12	0.0	1.09e-05	-6.57e-06
288	83	3.27e-04	0.02	-0.09	0.0	2.70e-05	-7.26e-06
288	84	-2.74e-03	8.39e-03	-0.13	0.0	7.15e-06	-6.63e-06
289	3	4.14e-03	0.03	-0.11	0.0	5.61e-05	-1.23e-05
289	4	1.17e-04	0.01	-0.18	0.0	9.14e-05	-1.07e-05
289	16	11.22	1.21	-0.14	0.0	2.16e-04	-5.53e-03
289	23	10.86	-7.44	-0.14	0.0	2.04e-04	-9.39e-03
289	34	-3.06	13.82	-0.10	0.0	2.54e-05	4.98e-03
289	48	4.89	0.53	-0.13	0.0	1.28e-04	-2.41e-03
289	55	4.73	-3.24	-0.13	0.0	1.23e-04	-4.09e-03
289	66	-1.33	6.03	-0.11	0.0	4.53e-05	2.16e-03
289	79	3.16e-03	0.02	-0.09	0.0	4.19e-05	-9.19e-06
289	80	1.02e-03	0.01	-0.12	0.0	6.07e-05	-8.36e-06
289	83	3.18e-03	0.02	-0.09	0.0	4.28e-05	-9.39e-06
289	84	4.98e-04	9.92e-03	-0.13	0.0	6.64e-05	-8.35e-06
290	3	8.26e-03	0.03	-0.12	0.0	4.63e-05	-1.28e-05
290	4	8.23e-03	0.01	-0.18	0.0	1.08e-04	-9.85e-06
290	16	11.24	1.22	-0.14	0.0	2.25e-04	-5.51e-03
290	23	10.88	-7.44	-0.14	0.0	2.11e-04	-9.38e-03
290	34	-3.05	13.83	-0.10	0.0	3.49e-05	4.98e-03
290	48	4.90	0.54	-0.13	0.0	1.36e-04	-2.41e-03
290	55	4.74	-3.23	-0.13	0.0	1.30e-04	-4.09e-03
290	66	-1.33	6.03	-0.11	0.0	5.31e-05	2.16e-03
290	79	6.23e-03	0.02	-0.09	0.0	3.43e-05	-9.71e-06
290	80	6.21e-03	0.01	-0.12	0.0	6.72e-05	-8.12e-06
290	83	6.33e-03	0.02	-0.09	0.0	3.53e-05	-9.84e-06
290	84	6.30e-03	0.01	-0.13	0.0	7.64e-05	-7.84e-06
291	3	0.01	0.04	-0.12	0.0	5.68e-06	-1.28e-05
291	4	0.02	0.02	-0.18	0.0	5.66e-05	-8.22e-06
291	16	11.25	1.22	-0.14	0.0	1.89e-04	-5.50e-03
291	23	10.89	-7.43	-0.14	0.0	1.74e-04	-9.36e-03
291	34	-3.05	13.83	-0.11	0.0	-1.12e-06	4.98e-03
291	48	4.91	0.54	-0.13	0.0	9.96e-05	-2.40e-03
291	55	4.75	-3.23	-0.13	0.0	9.32e-05	-4.08e-03
291	66	-1.32	6.04	-0.11	0.0	1.70e-05	2.16e-03
291	79	7.89e-03	0.02	-0.09	0.0	3.82e-06	-9.79e-06
291	80	0.01	0.01	-0.12	0.0	3.10e-05	-7.36e-06
291	83	8.04e-03	0.03	-0.09	0.0	4.23e-06	-9.82e-06
291	84	0.01	0.01	-0.13	0.0	3.82e-05	-6.78e-06
292	3	8.48e-03	0.04	-0.12	0.0	-6.65e-05	-9.83e-06
292	4	0.02	0.02	-0.18	0.0	-6.25e-05	-4.66e-06
292	16	11.26	1.23	-0.14	0.0	1.22e-04	-5.49e-03
292	23	10.91	-7.43	-0.15	0.0	1.08e-04	-9.35e-03
292	34	-3.06	13.84	-0.11	0.0	-8.58e-05	4.98e-03
292	48	4.91	0.54	-0.13	0.0	2.61e-05	-2.39e-03
292	55	4.76	-3.23	-0.13	0.0	1.99e-05	-4.08e-03
292	66	-1.33	6.04	-0.11	0.0	-6.44e-05	2.17e-03
292	79	6.34e-03	0.03	-0.09	0.0	-5.00e-05	-7.60e-06
292	80	0.01	0.01	-0.12	0.0	-4.79e-05	-4.84e-06
292	83	6.48e-03	0.03	-0.09	0.0	-5.09e-05	-7.57e-06

292	84	0.01	0.01	-0.13	0.0	-4.82e-05	-4.12e-06
293	3	-3.32e-04	0.03	-0.11	0.0	2.84e-05	-6.94e-06
293	4	-4.78e-03	9.18e-03	-0.17	0.0	0.0	-4.44e-06
293	13	-10.73	-1.19	-0.11	0.0	-1.50e-04	5.52e-03
293	23	10.03	-7.44	-0.14	0.0	1.57e-04	-9.39e-03
293	34	-2.62	13.81	-0.10	0.0	-3.88e-05	4.98e-03
293	45	-4.68	-0.51	-0.11	0.0	-6.14e-05	2.40e-03
293	55	4.37	-3.24	-0.13	0.0	7.20e-05	-4.09e-03
293	66	-1.14	6.02	-0.11	0.0	-1.32e-05	2.17e-03
293	79	-1.97e-04	0.02	-0.08	0.0	2.17e-05	-5.26e-06
293	80	-2.57e-03	8.88e-03	-0.12	0.0	6.58e-06	-3.93e-06
293	83	-2.41e-04	0.02	-0.09	0.0	2.18e-05	-5.32e-06
293	84	-3.21e-03	8.32e-03	-0.13	0.0	2.90e-06	-3.65e-06
294	3	3.05e-03	0.03	-0.11	0.0	5.31e-05	-1.13e-05
294	4	-7.18e-04	0.01	-0.17	0.0	8.97e-05	-7.34e-06
294	16	10.74	1.21	-0.13	0.0	2.30e-04	-5.52e-03
294	23	10.04	-7.44	-0.14	0.0	2.16e-04	-9.38e-03
294	34	-2.62	13.82	-0.10	0.0	2.19e-05	4.98e-03
294	48	4.68	0.53	-0.12	0.0	1.33e-04	-2.41e-03
294	55	4.38	-3.24	-0.13	0.0	1.27e-04	-4.09e-03
294	66	-1.14	6.03	-0.11	0.0	4.29e-05	2.17e-03
294	79	2.35e-03	0.02	-0.08	0.0	3.96e-05	-8.49e-06
294	80	3.37e-04	0.01	-0.12	0.0	5.92e-05	-6.38e-06
294	83	2.35e-03	0.02	-0.09	0.0	4.05e-05	-8.64e-06
294	84	-1.65e-04	9.88e-03	-0.13	0.0	6.49e-05	-6.00e-06
295	3	7.03e-03	0.03	-0.11	0.0	4.52e-05	-1.39e-05
295	4	7.34e-03	0.01	-0.17	0.0	1.08e-04	-9.18e-06
295	16	10.75	1.22	-0.13	0.0	2.44e-04	-5.51e-03
295	23	10.06	-7.44	-0.14	0.0	2.26e-04	-9.37e-03
295	34	-2.62	13.83	-0.10	0.0	3.33e-05	4.98e-03
295	48	4.69	0.54	-0.12	0.0	1.44e-04	-2.40e-03
295	55	4.39	-3.23	-0.13	0.0	1.37e-04	-4.09e-03
295	66	-1.14	6.03	-0.11	0.0	5.23e-05	2.16e-03
295	79	5.30e-03	0.02	-0.08	0.0	3.34e-05	-1.04e-05
295	80	5.47e-03	0.01	-0.12	0.0	6.70e-05	-7.90e-06
295	83	5.38e-03	0.02	-0.09	0.0	3.45e-05	-1.06e-05
295	84	5.59e-03	0.01	-0.13	0.0	7.64e-05	-7.48e-06
296	3	9.28e-03	0.04	-0.11	0.0	7.65e-06	-1.41e-05
296	4	0.01	0.02	-0.18	0.0	5.96e-05	-8.82e-06
296	16	10.77	1.22	-0.13	0.0	2.10e-04	-5.49e-03
296	23	10.08	-7.43	-0.14	0.0	1.92e-04	-9.35e-03
296	34	-2.62	13.83	-0.10	0.0	-1.06e-06	4.97e-03
296	48	4.70	0.54	-0.12	0.0	1.10e-04	-2.40e-03
296	55	4.40	-3.23	-0.13	0.0	1.02e-04	-4.08e-03
296	66	-1.14	6.04	-0.11	0.0	1.81e-05	2.16e-03
296	79	6.95e-03	0.02	-0.09	0.0	5.26e-06	-1.05e-05
296	80	9.60e-03	0.01	-0.12	0.0	3.30e-05	-7.70e-06
296	83	7.09e-03	0.03	-0.09	0.0	5.73e-06	-1.07e-05
296	84	0.01	0.01	-0.13	0.0	4.04e-05	-7.24e-06
297	3	7.64e-03	0.04	-0.11	0.0	-5.82e-05	-9.54e-06
297	4	0.02	0.02	-0.18	0.0	-5.44e-05	-4.08e-06
297	16	10.79	1.23	-0.13	0.0	1.35e-04	-5.47e-03
297	23	10.09	-7.43	-0.14	0.0	1.19e-04	-9.34e-03
297	34	-2.62	13.84	-0.10	0.0	-8.04e-05	4.98e-03
297	48	4.70	0.54	-0.12	0.0	3.51e-05	-2.39e-03
297	55	4.40	-3.23	-0.13	0.0	2.85e-05	-4.07e-03
297	66	-1.14	6.04	-0.11	0.0	-5.85e-05	2.17e-03
297	79	5.69e-03	0.03	-0.09	0.0	-4.37e-05	-7.09e-06
297	80	9.64e-03	0.01	-0.12	0.0	-4.17e-05	-4.18e-06
297	83	5.83e-03	0.03	-0.09	0.0	-4.45e-05	-7.28e-06
297	84	0.01	0.01	-0.13	0.0	-4.20e-05	-3.64e-06
298	3	-7.62e-04	0.03	-0.11	0.0	2.31e-05	-2.95e-06
298	4	-4.91e-03	9.12e-03	-0.17	0.0	-2.60e-06	1.22e-06
298	13	-10.24	-1.19	-0.11	0.0	-1.60e-04	5.52e-03
298	34	-2.19	13.81	-0.09	0.0	-4.43e-05	4.99e-03
298	35	2.18	-13.80	-0.14	0.0	5.24e-05	-4.99e-03
298	45	-4.46	-0.51	-0.11	0.0	-6.75e-05	2.41e-03
298	66	-0.95	6.02	-0.10	0.0	-1.70e-05	2.17e-03
298	67	0.95	-6.01	-0.13	0.0	2.51e-05	-2.17e-03
298	79	-5.26e-04	0.02	-0.08	0.0	1.78e-05	-2.29e-06
298	80	-2.74e-03	8.83e-03	-0.12	0.0	4.06e-06	0.0
298	83	-5.71e-04	0.02	-0.08	0.0	1.78e-05	-2.27e-06
298	84	-3.34e-03	8.27e-03	-0.13	0.0	0.0	0.0
299	1	2.26e-03	0.03	-0.11	0.0	4.68e-05	-6.87e-06
299	3	2.23e-03	0.03	-0.11	0.0	4.84e-05	-7.13e-06
299	4	-1.12e-03	0.01	-0.17	0.0	8.59e-05	-1.77e-06
299	13	-10.25	-1.19	-0.11	0.0	-1.31e-04	5.51e-03

299	34	-2.19	13.82	-0.09	0.0	1.68e-05	4.98e-03
299	35	2.19	-13.80	-0.14	0.0	9.56e-05	-4.99e-03
299	45	-4.47	-0.51	-0.11	0.0	-2.54e-05	2.40e-03
299	66	-0.95	6.03	-0.10	0.0	3.91e-05	2.17e-03
299	67	0.95	-6.01	-0.13	0.0	7.34e-05	-2.18e-03
299	77	1.74e-03	0.02	-0.08	0.0	3.59e-05	-5.27e-06
299	79	1.73e-03	0.02	-0.08	0.0	3.62e-05	-5.33e-06
299	80	-5.41e-05	0.01	-0.12	0.0	5.62e-05	-2.47e-06
299	81	1.74e-03	0.02	-0.08	0.0	3.59e-05	-5.27e-06
299	83	1.72e-03	0.02	-0.08	0.0	3.70e-05	-5.45e-06
299	84	-5.11e-04	9.87e-03	-0.13	0.0	6.20e-05	-1.87e-06
300	3	5.92e-03	0.03	-0.11	0.0	4.26e-05	-1.07e-05
300	4	6.68e-03	0.01	-0.17	0.0	1.06e-04	-5.28e-06
300	16	10.27	1.22	-0.12	0.0	2.63e-04	-5.50e-03
300	34	-2.18	13.83	-0.09	0.0	2.97e-05	4.98e-03
300	35	2.19	-13.80	-0.14	0.0	1.01e-04	-4.99e-03
300	48	4.48	0.54	-0.12	0.0	1.51e-04	-2.40e-03
300	66	-0.95	6.03	-0.10	0.0	4.98e-05	2.17e-03
300	67	0.96	-6.01	-0.13	0.0	8.08e-05	-2.18e-03
300	79	4.48e-03	0.02	-0.08	0.0	3.16e-05	-7.88e-06
300	80	4.89e-03	0.01	-0.12	0.0	6.53e-05	-4.98e-06
300	83	4.53e-03	0.02	-0.08	0.0	3.25e-05	-8.16e-06
300	84	5.04e-03	0.01	-0.13	0.0	7.46e-05	-4.53e-06
301	3	8.10e-03	0.04	-0.11	0.0	9.06e-06	-1.20e-05
301	4	0.01	0.02	-0.17	0.0	6.09e-05	-6.89e-06
301	16	10.29	1.22	-0.12	0.0	2.29e-04	-5.49e-03
301	34	-2.18	13.83	-0.09	0.0	-1.86e-06	4.98e-03
301	35	2.20	-13.81	-0.14	0.0	7.00e-05	-4.99e-03
301	48	4.49	0.54	-0.12	0.0	1.19e-04	-2.39e-03
301	66	-0.95	6.04	-0.10	0.0	1.84e-05	2.17e-03
301	67	0.96	-6.01	-0.13	0.0	4.97e-05	-2.18e-03
301	79	6.09e-03	0.02	-0.08	0.0	6.40e-06	-8.72e-06
301	80	8.98e-03	0.01	-0.12	0.0	3.41e-05	-5.98e-06
301	83	6.20e-03	0.03	-0.08	0.0	6.83e-06	-9.12e-06
301	84	9.81e-03	0.01	-0.13	0.0	4.14e-05	-5.70e-06
302	3	6.79e-03	0.04	-0.11	0.0	-5.02e-05	-9.34e-06
302	4	0.01	0.02	-0.17	0.0	-4.70e-05	-4.75e-06
302	16	10.31	1.23	-0.12	0.0	1.41e-04	-5.48e-03
302	34	-2.19	13.84	-0.09	0.0	-7.55e-05	4.98e-03
302	35	2.20	-13.81	-0.15	0.0	3.41e-06	-4.99e-03
302	48	4.50	0.54	-0.12	0.0	4.10e-05	-2.39e-03
302	66	-0.95	6.04	-0.11	0.0	-5.33e-05	2.17e-03
302	67	0.97	-6.01	-0.13	0.0	-1.89e-05	-2.18e-03
302	79	5.08e-03	0.03	-0.08	0.0	-3.77e-05	-6.65e-06
302	80	9.26e-03	0.01	-0.12	0.0	-3.61e-05	-4.21e-06
302	83	5.19e-03	0.03	-0.08	0.0	-3.84e-05	-7.05e-06
302	84	0.01	0.01	-0.13	0.0	-3.63e-05	-3.99e-06
303	3	-8.69e-04	0.03	-0.10	0.0	1.96e-05	0.0
303	4	-4.63e-03	9.15e-03	-0.17	0.0	-4.08e-06	2.52e-06
303	13	-9.76	-1.19	-0.11	0.0	-1.72e-04	5.52e-03
303	34	-1.75	13.81	-0.08	0.0	-4.83e-05	4.99e-03
303	35	1.74	-13.80	-0.15	0.0	5.34e-05	-4.99e-03
303	45	-4.25	-0.51	-0.11	0.0	-7.33e-05	2.41e-03
303	66	-0.76	6.02	-0.10	0.0	-1.96e-05	2.17e-03
303	67	0.76	-6.01	-0.13	0.0	2.47e-05	-2.17e-03
303	79	-6.10e-04	0.02	-0.08	0.0	1.52e-05	0.0
303	80	-2.61e-03	8.85e-03	-0.11	0.0	2.56e-06	1.15e-06
303	83	-6.54e-04	0.02	-0.08	0.0	1.51e-05	0.0
303	84	-3.16e-03	8.29e-03	-0.12	0.0	0.0	1.59e-06
304	1	1.82e-03	0.03	-0.10	0.0	4.27e-05	-3.63e-06
304	3	1.78e-03	0.03	-0.10	0.0	4.39e-05	-3.93e-06
304	4	-1.12e-03	0.01	-0.17	0.0	8.17e-05	0.0
304	13	-9.77	-1.19	-0.11	0.0	-1.50e-04	5.51e-03
304	34	-1.75	13.82	-0.08	0.0	1.16e-05	4.99e-03
304	35	1.75	-13.80	-0.15	0.0	9.48e-05	-4.99e-03
304	45	-4.26	-0.51	-0.11	0.0	-3.52e-05	2.40e-03
304	66	-0.76	6.03	-0.10	0.0	3.51e-05	2.17e-03
304	67	0.76	-6.01	-0.13	0.0	7.13e-05	-2.17e-03
304	77	1.40e-03	0.02	-0.08	0.0	3.28e-05	-2.78e-06
304	79	1.39e-03	0.02	-0.08	0.0	3.30e-05	-2.84e-06
304	80	-1.51e-04	0.01	-0.11	0.0	5.32e-05	0.0
304	81	1.40e-03	0.02	-0.08	0.0	3.28e-05	-2.78e-06
304	83	1.37e-03	0.02	-0.08	0.0	3.36e-05	-2.97e-06
304	84	-5.58e-04	9.87e-03	-0.12	0.0	5.88e-05	0.0
305	3	5.17e-03	0.03	-0.10	0.0	3.99e-05	-6.06e-06
305	4	6.41e-03	0.01	-0.17	0.0	1.03e-04	-1.08e-06
305	16	9.79	1.22	-0.11	0.0	2.78e-04	-5.50e-03

305	34	-1.75	13.83	-0.08	0.0	2.64e-05	4.98e-03
305	35	1.76	-13.80	-0.15	0.0	1.01e-04	-4.99e-03
305	48	4.27	0.54	-0.11	0.0	1.57e-04	-2.40e-03
305	66	-0.76	6.03	-0.10	0.0	4.73e-05	2.17e-03
305	67	0.77	-6.01	-0.13	0.0	7.97e-05	-2.17e-03
305	79	3.94e-03	0.02	-0.08	0.0	2.97e-05	-4.29e-06
305	80	4.60e-03	0.01	-0.11	0.0	6.35e-05	-1.63e-06
305	83	3.97e-03	0.02	-0.08	0.0	3.04e-05	-4.57e-06
305	84	4.79e-03	0.01	-0.12	0.0	7.26e-05	-1.25e-06
306	3	7.24e-03	0.04	-0.11	0.0	9.19e-06	-6.65e-06
306	4	0.01	0.02	-0.17	0.0	6.07e-05	0.0
306	16	9.81	1.22	-0.12	0.0	2.42e-04	-5.48e-03
306	34	-1.75	13.83	-0.08	0.0	-2.93e-06	4.98e-03
306	35	1.76	-13.81	-0.15	0.0	7.11e-05	-4.99e-03
306	48	4.28	0.54	-0.12	0.0	1.25e-04	-2.39e-03
306	66	-0.76	6.03	-0.10	0.0	1.80e-05	2.17e-03
306	67	0.77	-6.01	-0.13	0.0	5.02e-05	-2.17e-03
306	79	5.47e-03	0.02	-0.08	0.0	6.64e-06	-4.59e-06
306	80	8.61e-03	0.01	-0.12	0.0	3.41e-05	-1.41e-06
306	83	5.55e-03	0.03	-0.08	0.0	6.96e-06	-4.98e-06
306	84	9.47e-03	0.01	-0.12	0.0	4.13e-05	-1.01e-06
307	3	6.11e-03	0.04	-0.11	0.0	-4.43e-05	-5.19e-06
307	4	0.01	0.02	-0.17	0.0	-4.19e-05	0.0
307	16	9.83	1.23	-0.12	0.0	1.47e-04	-5.48e-03
307	34	-1.75	13.84	-0.08	0.0	-7.33e-05	4.98e-03
307	35	1.77	-13.81	-0.15	0.0	8.92e-06	-4.98e-03
307	48	4.29	0.54	-0.12	0.0	4.60e-05	-2.39e-03
307	66	-0.76	6.04	-0.10	0.0	-5.01e-05	2.17e-03
307	67	0.78	-6.01	-0.13	0.0	-1.43e-05	-2.17e-03
307	79	4.61e-03	0.03	-0.08	0.0	-3.35e-05	-3.45e-06
307	80	9.01e-03	0.01	-0.12	0.0	-3.22e-05	0.0
307	83	4.68e-03	0.03	-0.08	0.0	-3.39e-05	-3.86e-06
307	84	0.01	0.01	-0.12	0.0	-3.23e-05	0.0
308	2	-2.87e-03	6.77e-03	-0.17	0.0	6.31e-05	-6.45e-06
308	3	-4.98e-03	0.04	-0.10	0.0	4.44e-05	-1.21e-06
308	13	-9.23	-5.81	-0.13	0.0	-1.42e-04	5.47e-03
308	41	-1.34	-13.71	-0.16	0.0	-3.11e-06	4.73e-03
308	44	1.34	13.73	-0.08	0.0	9.13e-05	-4.74e-03
308	45	-4.02	-2.53	-0.12	0.0	-3.69e-05	2.38e-03
308	73	-0.59	-5.97	-0.13	0.0	2.35e-05	2.06e-03
308	76	0.58	5.99	-0.10	0.0	6.46e-05	-2.07e-03
308	78	-2.69e-03	0.01	-0.12	0.0	4.40e-05	-3.88e-06
308	79	-3.80e-03	0.03	-0.08	0.0	3.38e-05	-1.28e-06
308	82	-2.42e-03	7.43e-03	-0.13	0.0	4.65e-05	-4.51e-06
308	83	-3.82e-03	0.03	-0.08	0.0	3.41e-05	-1.02e-06
309	2	-3.79e-03	5.90e-03	-0.17	0.0	-2.71e-05	-2.61e-06
309	3	-6.43e-03	0.03	-0.10	0.0	-1.75e-06	0.0
309	13	-9.22	-5.81	-0.13	0.0	-2.29e-04	5.48e-03
309	41	-1.34	-13.70	-0.16	0.0	-5.76e-05	4.73e-03
309	44	1.33	13.73	-0.08	0.0	2.80e-05	-4.73e-03
309	45	-4.02	-2.53	-0.12	0.0	-1.08e-04	2.39e-03
309	73	-0.59	-5.96	-0.13	0.0	-3.35e-05	2.06e-03
309	76	0.58	5.99	-0.10	0.0	3.87e-06	-2.06e-03
309	78	-3.52e-03	9.76e-03	-0.12	0.0	-1.47e-05	-1.40e-06
309	79	-4.91e-03	0.02	-0.08	0.0	-1.07e-06	0.0
309	82	-3.18e-03	6.65e-03	-0.13	0.0	-1.81e-05	-1.76e-06
309	83	-4.94e-03	0.03	-0.08	0.0	-1.27e-06	0.0
310	1	-5.06e-03	0.03	-0.10	0.0	-2.84e-05	2.27e-06
310	2	2.51e-04	5.12e-03	-0.17	0.0	-6.61e-05	3.49e-06
310	3	-5.05e-03	0.03	-0.10	0.0	-2.94e-05	2.84e-06
310	13	-9.20	-5.82	-0.13	0.0	-2.65e-04	5.50e-03
310	41	-1.33	-13.70	-0.16	0.0	-8.54e-05	4.74e-03
310	44	1.33	13.72	-0.07	0.0	1.28e-06	-4.73e-03
310	45	-4.01	-2.53	-0.12	0.0	-1.39e-04	2.40e-03
310	73	-0.58	-5.96	-0.13	0.0	-6.10e-05	2.07e-03
310	76	0.58	5.98	-0.10	0.0	-2.32e-05	-2.06e-03
310	77	-3.89e-03	0.02	-0.08	0.0	-2.18e-05	1.71e-06
310	78	-1.06e-03	8.86e-03	-0.12	0.0	-4.19e-05	2.37e-06
310	79	-3.89e-03	0.02	-0.08	0.0	-2.20e-05	1.83e-06
310	81	-3.89e-03	0.02	-0.08	0.0	-2.18e-05	1.71e-06
310	82	-3.53e-04	5.93e-03	-0.12	0.0	-4.69e-05	2.53e-06
310	83	-3.89e-03	0.02	-0.08	0.0	-2.25e-05	2.10e-06
311	2	5.12e-03	4.39e-03	-0.17	0.0	-4.91e-05	9.54e-06
311	3	-2.44e-03	0.03	-0.10	0.0	-3.43e-05	4.53e-06
311	8	5.78e-03	2.57e-03	-0.15	0.0	-4.20e-05	9.00e-06
311	16	9.18	5.84	-0.10	0.0	1.80e-04	-5.50e-03
311	41	-1.33	-13.70	-0.16	0.0	-8.23e-05	4.74e-03

311	44	1.33	13.71	-0.07	0.0	1.38e-05	-4.73e-03
311	48	4.00	2.55	-0.11	0.0	5.90e-05	-2.39e-03
311	73	-0.58	-5.96	-0.13	0.0	-5.52e-05	2.07e-03
311	76	0.58	5.98	-0.10	0.0	-1.33e-05	-2.06e-03
311	78	2.13e-03	8.01e-03	-0.12	0.0	-3.41e-05	6.02e-06
311	79	-1.93e-03	0.02	-0.08	0.0	-2.59e-05	3.20e-06
311	80	2.15e-03	8.90e-03	-0.12	0.0	-3.42e-05	6.12e-06
311	82	3.15e-03	5.26e-03	-0.12	0.0	-3.62e-05	6.75e-06
311	83	-1.89e-03	0.02	-0.08	0.0	-2.63e-05	3.41e-06
311	84	3.21e-03	8.25e-03	-0.12	0.0	-3.66e-05	7.06e-06
312	2	6.69e-03	3.57e-03	-0.17	0.0	1.95e-05	1.49e-05
312	3	-3.19e-04	0.03	-0.10	0.0	-1.72e-05	6.37e-06
312	8	6.87e-03	1.80e-03	-0.15	0.0	2.39e-05	1.38e-05
312	16	9.17	5.84	-0.10	0.0	1.96e-04	-5.50e-03
312	41	-1.32	-13.69	-0.16	0.0	-4.97e-05	4.75e-03
312	44	1.33	13.71	-0.07	0.0	6.23e-05	-4.73e-03
312	48	4.00	2.55	-0.11	0.0	8.91e-05	-2.39e-03
312	73	-0.57	-5.96	-0.13	0.0	-1.81e-05	2.07e-03
312	76	0.58	5.98	-0.10	0.0	3.07e-05	-2.05e-03
312	78	3.46e-03	7.10e-03	-0.11	0.0	6.19e-06	9.37e-06
312	79	-3.06e-04	0.02	-0.08	0.0	-1.35e-05	4.71e-06
312	80	3.48e-03	7.89e-03	-0.11	0.0	6.28e-06	9.43e-06
312	82	4.41e-03	4.52e-03	-0.12	0.0	1.11e-05	1.05e-05
312	83	-2.60e-04	0.02	-0.08	0.0	-1.33e-05	4.85e-06
312	84	4.48e-03	7.18e-03	-0.12	0.0	1.14e-05	1.08e-05
313	3	-1.69e-03	0.03	-0.13	-4.17e-05	-3.13e-06	8.55e-06
313	4	-7.63e-04	8.24e-03	-0.18	-2.18e-05	4.36e-06	1.13e-05
313	18	-13.72	1.17	-0.18	-8.68e-05	-1.13e-04	5.60e-03
313	22	-15.07	-0.42	-0.17	-8.07e-05	-1.09e-04	9.38e-03
313	44	5.21	13.71	-0.14	-9.70e-05	3.23e-05	-4.73e-03
313	50	-5.98	0.52	-0.15	-4.75e-05	-4.83e-05	2.44e-03
313	54	-6.57	-0.18	-0.15	-4.48e-05	-4.67e-05	4.09e-03
313	76	2.27	5.98	-0.13	-5.19e-05	1.50e-05	-2.06e-03
313	79	-1.26e-03	0.02	-0.10	-2.77e-05	-2.37e-06	6.38e-06
313	80	-7.63e-04	8.44e-03	-0.13	-1.71e-05	1.62e-06	7.86e-06
313	83	-1.29e-03	0.02	-0.10	-3.10e-05	-2.40e-06	6.53e-06
313	84	-6.72e-04	7.71e-03	-0.14	-1.77e-05	2.59e-06	8.37e-06
314	3	-1.80e-03	0.03	-0.13	-3.83e-05	-1.33e-06	1.30e-05
314	4	-4.87e-04	9.71e-03	-0.19	-2.19e-05	2.06e-06	1.57e-05
314	18	-13.73	1.18	-0.18	-8.49e-05	-1.04e-04	5.59e-03
314	22	-15.08	-0.41	-0.17	-7.99e-05	-9.92e-05	9.38e-03
314	44	5.21	13.71	-0.14	-8.63e-05	2.76e-05	-4.72e-03
314	50	-5.98	0.52	-0.15	-4.63e-05	-4.50e-05	2.44e-03
314	54	-6.57	-0.17	-0.15	-4.41e-05	-4.28e-05	4.09e-03
314	76	2.27	5.98	-0.13	-4.69e-05	1.25e-05	-2.05e-03
314	79	-1.34e-03	0.02	-0.10	-2.52e-05	-1.04e-06	9.95e-06
314	80	-6.45e-04	9.56e-03	-0.13	-1.65e-05	0.0	1.14e-05
314	83	-1.37e-03	0.02	-0.10	-2.84e-05	-1.03e-06	9.97e-06
314	84	-4.99e-04	8.90e-03	-0.14	-1.75e-05	1.23e-06	1.18e-05
315	3	-1.78e-03	0.03	-0.13	-3.60e-05	0.0	1.39e-05
315	4	-1.80e-04	0.01	-0.19	-2.01e-05	2.88e-06	1.63e-05
315	18	-13.73	1.18	-0.18	-8.31e-05	-1.03e-04	5.58e-03
315	22	-15.09	-0.41	-0.18	-7.82e-05	-9.79e-05	9.37e-03
315	44	5.21	13.72	-0.14	-8.42e-05	2.84e-05	-4.72e-03
315	50	-5.98	0.52	-0.15	-4.47e-05	-4.40e-05	2.44e-03
315	54	-6.57	-0.17	-0.15	-4.26e-05	-4.18e-05	4.09e-03
315	76	2.27	5.98	-0.13	-4.52e-05	1.32e-05	-2.05e-03
315	79	-1.34e-03	0.02	-0.10	-2.35e-05	0.0	1.09e-05
315	80	-4.85e-04	0.01	-0.13	-1.50e-05	1.44e-06	1.22e-05
315	83	-1.36e-03	0.02	-0.10	-2.66e-05	0.0	1.07e-05
315	84	-2.95e-04	0.01	-0.14	-1.61e-05	1.90e-06	1.23e-05
316	3	-1.60e-03	0.04	-0.13	-3.34e-05	2.71e-06	1.09e-05
316	4	3.14e-04	0.01	-0.19	-1.70e-05	6.65e-06	1.33e-05
316	18	-13.74	1.19	-0.18	-8.15e-05	-1.01e-04	5.57e-03
316	22	-15.10	-0.40	-0.18	-7.65e-05	-9.60e-05	9.36e-03
316	44	5.22	13.73	-0.14	-8.31e-05	3.13e-05	-4.73e-03
316	50	-5.99	0.53	-0.15	-4.27e-05	-4.18e-05	2.43e-03
316	54	-6.58	-0.17	-0.15	-4.05e-05	-3.96e-05	4.09e-03
316	76	2.27	5.99	-0.13	-4.34e-05	1.59e-05	-2.05e-03
316	79	-1.21e-03	0.02	-0.10	-2.14e-05	1.83e-06	8.76e-06
316	80	-1.94e-04	0.01	-0.13	-1.27e-05	3.93e-06	1.00e-05
316	83	-1.23e-03	0.03	-0.10	-2.46e-05	2.02e-06	8.48e-06
316	84	4.91e-05	0.01	-0.14	-1.37e-05	4.65e-06	1.01e-05
317	3	-1.08e-03	0.04	-0.13	-2.97e-05	8.06e-06	5.43e-06
317	4	1.24e-03	0.01	-0.19	-1.10e-05	1.50e-05	8.13e-06
317	8	1.50e-03	5.39e-03	-0.16	-5.02e-06	1.32e-05	6.82e-06
317	18	-13.75	1.20	-0.18	-8.14e-05	-9.95e-05	5.56e-03

317	23	15.10	0.42	-0.08	5.91e-05	1.14e-04	-9.34e-03
317	44	5.22	13.73	-0.14	-8.42e-05	3.68e-05	-4.73e-03
317	50	-5.99	0.53	-0.15	-4.02e-05	-3.80e-05	2.43e-03
317	55	6.58	0.19	-0.11	2.10e-05	5.51e-05	-4.07e-03
317	76	2.27	5.99	-0.13	-4.14e-05	2.14e-05	-2.06e-03
317	77	-8.50e-04	0.02	-0.10	-1.68e-05	5.74e-06	4.59e-06
317	79	-8.46e-04	0.03	-0.10	-1.83e-05	5.85e-06	4.49e-06
317	80	3.96e-04	0.01	-0.13	-8.36e-06	9.58e-06	5.92e-06
317	81	-8.50e-04	0.02	-0.10	-1.68e-05	5.74e-06	4.59e-06
317	83	-8.37e-04	0.03	-0.10	-2.17e-05	6.11e-06	4.26e-06
317	84	7.16e-04	0.01	-0.14	-9.28e-06	1.08e-05	6.05e-06
318	3	-5.81e-04	0.03	-0.11	0.0	-1.75e-05	0.0
318	4	6.41e-03	7.63e-03	-0.17	0.0	2.13e-05	-3.81e-06
318	8	6.55e-03	1.86e-03	-0.15	0.0	2.53e-05	-3.80e-06
318	16	9.76	5.84	-0.10	0.0	1.87e-04	-5.52e-03
318	41	-1.83	-13.69	-0.15	0.0	-4.59e-05	4.74e-03
318	44	1.84	13.71	-0.08	0.0	6.00e-05	-4.74e-03
318	48	4.26	2.55	-0.11	0.0	8.55e-05	-2.41e-03
318	73	-0.80	-5.96	-0.13	0.0	-1.60e-05	2.06e-03
318	76	0.80	5.98	-0.10	0.0	3.01e-05	-2.07e-03
318	79	-5.00e-04	0.02	-0.08	0.0	-1.36e-05	0.0
318	80	3.23e-03	7.95e-03	-0.12	0.0	7.06e-06	-2.03e-06
318	83	-4.60e-04	0.02	-0.08	0.0	-1.35e-05	0.0
318	84	4.20e-03	7.23e-03	-0.13	0.0	1.23e-05	-2.54e-06
319	3	-2.86e-03	0.03	-0.11	0.0	-3.69e-05	4.14e-06
319	4	4.71e-03	8.99e-03	-0.17	0.0	-5.24e-05	1.59e-06
319	8	5.37e-03	2.67e-03	-0.15	0.0	-4.40e-05	0.0
319	16	9.77	5.84	-0.10	0.0	1.64e-04	-5.51e-03
319	41	-1.84	-13.69	-0.15	0.0	-8.10e-05	4.74e-03
319	44	1.84	13.71	-0.08	0.0	8.99e-06	-4.73e-03
319	48	4.26	2.55	-0.11	0.0	5.11e-05	-2.40e-03
319	73	-0.80	-5.96	-0.13	0.0	-5.56e-05	2.07e-03
319	76	0.80	5.98	-0.10	0.0	-1.64e-05	-2.06e-03
319	77	-2.24e-03	0.02	-0.08	0.0	-2.75e-05	2.94e-06
319	79	-2.23e-03	0.02	-0.08	0.0	-2.77e-05	3.00e-06
319	80	1.81e-03	8.99e-03	-0.12	0.0	-3.60e-05	1.64e-06
319	83	-2.21e-03	0.02	-0.08	0.0	-2.82e-05	3.14e-06
319	84	2.84e-03	8.33e-03	-0.13	0.0	-3.86e-05	1.44e-06
320	3	-5.63e-03	0.03	-0.11	0.0	-3.11e-05	8.13e-06
320	4	-3.66e-04	0.01	-0.17	0.0	-6.88e-05	7.84e-06
320	13	-9.79	-5.82	-0.14	0.0	-2.51e-04	5.50e-03
320	41	-1.84	-13.70	-0.15	0.0	-8.44e-05	4.74e-03
320	44	1.84	13.72	-0.08	0.0	-2.02e-06	-4.73e-03
320	45	-4.27	-2.53	-0.13	0.0	-1.34e-04	2.40e-03
320	73	-0.80	-5.96	-0.13	0.0	-6.12e-05	2.07e-03
320	76	0.80	5.98	-0.10	0.0	-2.53e-05	-2.06e-03
320	79	-4.30e-03	0.02	-0.08	0.0	-2.31e-05	5.84e-06
320	80	-1.49e-03	9.94e-03	-0.12	0.0	-4.32e-05	5.69e-06
320	83	-4.33e-03	0.02	-0.08	0.0	-2.37e-05	6.15e-06
320	84	-8.13e-04	9.35e-03	-0.13	0.0	-4.89e-05	5.96e-06
321	3	-7.07e-03	0.03	-0.11	0.0	-1.79e-06	1.05e-05
321	4	-4.53e-03	0.01	-0.17	0.0	-2.84e-05	1.27e-05
321	13	-9.81	-5.81	-0.14	0.0	-2.17e-04	5.49e-03
321	41	-1.85	-13.70	-0.15	0.0	-5.62e-05	4.74e-03
321	44	1.84	13.73	-0.08	0.0	2.58e-05	-4.72e-03
321	45	-4.28	-2.53	-0.13	0.0	-1.03e-04	2.40e-03
321	73	-0.81	-5.96	-0.13	0.0	-3.31e-05	2.07e-03
321	76	0.80	5.99	-0.10	0.0	2.64e-06	-2.05e-03
321	79	-5.36e-03	0.02	-0.08	0.0	-1.01e-06	7.46e-06
321	80	-4.00e-03	0.01	-0.12	0.0	-1.52e-05	8.67e-06
321	83	-5.42e-03	0.03	-0.08	0.0	-1.29e-06	7.91e-06
321	84	-3.72e-03	0.01	-0.13	0.0	-1.90e-05	9.42e-06
322	3	-5.52e-03	0.04	-0.11	0.0	4.75e-05	9.75e-06
322	4	-3.62e-03	0.01	-0.17	0.0	6.50e-05	1.44e-05
322	13	-9.82	-5.81	-0.14	0.0	-1.35e-04	5.49e-03
322	41	-1.85	-13.71	-0.15	0.0	1.30e-06	4.74e-03
322	44	1.85	13.73	-0.08	0.0	8.92e-05	-4.72e-03
322	45	-4.28	-2.53	-0.13	0.0	-3.31e-05	2.40e-03
322	73	-0.81	-5.97	-0.13	0.0	2.61e-05	2.07e-03
322	76	0.80	5.99	-0.10	0.0	6.44e-05	-2.05e-03
322	79	-4.17e-03	0.03	-0.08	0.0	3.59e-05	6.90e-06
322	80	-3.15e-03	0.01	-0.12	0.0	4.53e-05	9.38e-06
322	83	-4.23e-03	0.03	-0.08	0.0	3.64e-05	7.35e-06
322	84	-2.96e-03	0.01	-0.13	0.0	4.81e-05	1.05e-05
323	3	-6.58e-04	0.03	-0.11	0.0	-2.13e-05	3.03e-06
323	4	6.70e-03	7.64e-03	-0.17	0.0	1.93e-05	0.0
323	8	6.86e-03	1.87e-03	-0.15	0.0	2.42e-05	-1.10e-06

323	16	10.24	5.84	-0.10	0.0	1.75e-04	-5.52e-03
323	41	-2.25	-13.69	-0.15	0.0	-4.52e-05	4.74e-03
323	44	2.25	13.71	-0.09	0.0	5.57e-05	-4.74e-03
323	48	4.47	2.55	-0.11	0.0	7.91e-05	-2.40e-03
323	73	-0.98	-5.96	-0.13	0.0	-1.67e-05	2.06e-03
323	76	0.98	5.98	-0.11	0.0	2.72e-05	-2.06e-03
323	79	-5.61e-04	0.02	-0.08	0.0	-1.64e-05	2.34e-06
323	80	3.36e-03	7.96e-03	-0.12	0.0	5.26e-06	0.0
323	83	-5.20e-04	0.02	-0.08	0.0	-1.64e-05	2.33e-06
323	84	4.39e-03	7.25e-03	-0.13	0.0	1.07e-05	0.0
324	3	-3.36e-03	0.03	-0.11	0.0	-4.29e-05	7.85e-06
324	4	4.51e-03	8.97e-03	-0.17	0.0	-6.08e-05	4.63e-06
324	8	5.28e-03	2.65e-03	-0.15	0.0	-5.11e-05	2.84e-06
324	16	10.26	5.84	-0.10	0.0	1.43e-04	-5.51e-03
324	41	-2.25	-13.69	-0.15	0.0	-8.41e-05	4.74e-03
324	44	2.25	13.71	-0.09	0.0	0.0	-4.73e-03
324	48	4.47	2.55	-0.11	0.0	3.90e-05	-2.40e-03
324	73	-0.98	-5.96	-0.13	0.0	-6.01e-05	2.07e-03
324	76	0.98	5.98	-0.11	0.0	-2.31e-05	-2.06e-03
324	77	-2.60e-03	0.02	-0.08	0.0	-3.18e-05	5.81e-06
324	79	-2.60e-03	0.02	-0.08	0.0	-3.21e-05	5.87e-06
324	80	1.60e-03	8.98e-03	-0.12	0.0	-4.16e-05	4.15e-06
324	83	-2.59e-03	0.02	-0.08	0.0	-3.28e-05	6.00e-06
324	84	2.66e-03	8.33e-03	-0.13	0.0	-4.47e-05	3.85e-06
325	3	-6.55e-03	0.03	-0.11	0.0	-3.57e-05	1.27e-05
325	4	-1.23e-03	0.01	-0.18	0.0	-7.69e-05	1.19e-05
325	13	-10.27	-5.82	-0.14	0.0	-2.41e-04	5.50e-03
325	41	-2.26	-13.70	-0.15	0.0	-8.75e-05	4.74e-03
325	44	2.25	13.72	-0.09	0.0	-9.23e-06	-4.72e-03
325	45	-4.48	-2.53	-0.13	0.0	-1.32e-04	2.40e-03
325	73	-0.99	-5.96	-0.13	0.0	-6.54e-05	2.07e-03
325	76	0.98	5.98	-0.11	0.0	-3.13e-05	-2.05e-03
325	79	-4.97e-03	0.02	-0.08	0.0	-2.64e-05	9.34e-06
325	80	-2.13e-03	9.96e-03	-0.12	0.0	-4.83e-05	8.96e-06
325	83	-5.02e-03	0.02	-0.08	0.0	-2.72e-05	9.64e-06
325	84	-1.48e-03	9.37e-03	-0.13	0.0	-5.47e-05	9.16e-06
326	3	-8.23e-03	0.03	-0.11	0.0	-2.96e-06	1.51e-05
326	4	-5.91e-03	0.01	-0.18	0.0	-3.31e-05	1.75e-05
326	13	-10.29	-5.81	-0.14	0.0	-2.08e-04	5.49e-03
326	41	-2.26	-13.70	-0.15	0.0	-5.72e-05	4.74e-03
326	44	2.25	13.73	-0.09	0.0	2.15e-05	-4.72e-03
326	45	-4.49	-2.53	-0.13	0.0	-1.01e-04	2.40e-03
326	73	-0.99	-5.96	-0.13	0.0	-3.50e-05	2.07e-03
326	76	0.98	5.99	-0.11	0.0	0.0	-2.05e-03
326	79	-6.20e-03	0.02	-0.08	0.0	-1.76e-06	1.11e-05
326	80	-4.96e-03	0.01	-0.12	0.0	-1.78e-05	1.23e-05
326	83	-6.30e-03	0.03	-0.08	0.0	-2.15e-06	1.15e-05
326	84	-4.75e-03	0.01	-0.13	0.0	-2.23e-05	1.31e-05
327	3	-6.56e-03	0.04	-0.11	0.0	5.34e-05	1.30e-05
327	4	-5.09e-03	0.01	-0.18	0.0	6.95e-05	1.78e-05
327	13	-10.30	-5.81	-0.14	0.0	-1.28e-04	5.49e-03
327	41	-2.27	-13.71	-0.15	0.0	6.71e-06	4.74e-03
327	44	2.26	13.73	-0.09	0.0	9.09e-05	-4.72e-03
327	45	-4.49	-2.53	-0.13	0.0	-2.81e-05	2.40e-03
327	73	-0.99	-5.97	-0.13	0.0	3.05e-05	2.07e-03
327	76	0.98	5.99	-0.11	0.0	6.71e-05	-2.05e-03
327	79	-4.91e-03	0.03	-0.08	0.0	4.02e-05	9.45e-06
327	80	-4.13e-03	0.01	-0.12	0.0	4.88e-05	1.20e-05
327	83	-5.01e-03	0.03	-0.09	0.0	4.09e-05	9.88e-06
327	84	-4.04e-03	0.01	-0.13	0.0	5.16e-05	1.30e-05
328	3	-1.10e-03	0.03	-0.11	0.0	-2.69e-05	7.19e-06
328	4	6.47e-03	7.73e-03	-0.18	0.0	1.57e-05	5.86e-06
328	8	6.73e-03	1.95e-03	-0.15	0.0	2.19e-05	4.21e-06
328	16	10.73	5.84	-0.10	0.0	1.63e-04	-5.52e-03
328	25	-10.04	-7.41	-0.14	0.0	-1.49e-04	9.31e-03
328	44	2.67	13.71	-0.10	0.0	4.93e-05	-4.73e-03
328	48	4.68	2.55	-0.11	0.0	7.20e-05	-2.40e-03
328	57	-4.37	-3.23	-0.13	0.0	-6.36e-05	4.06e-03
328	76	1.16	5.98	-0.11	0.0	2.27e-05	-2.06e-03
328	79	-9.03e-04	0.02	-0.09	0.0	-2.06e-05	5.46e-06
328	80	3.14e-03	8.03e-03	-0.12	0.0	2.17e-06	4.75e-06
328	83	-8.63e-04	0.02	-0.09	0.0	-2.07e-05	5.51e-06
328	84	4.19e-03	7.32e-03	-0.13	0.0	7.77e-06	4.63e-06
329	3	-4.25e-03	0.03	-0.11	0.0	-4.87e-05	1.22e-05
329	4	3.84e-03	9.00e-03	-0.18	0.0	-6.80e-05	1.07e-05
329	6	4.82e-03	-1.82e-03	-0.15	0.0	-5.52e-05	7.60e-06
329	16	10.74	5.84	-0.10	0.0	1.22e-04	-5.50e-03

329	25	-10.05	-7.41	-0.14	0.0	-2.04e-04	9.31e-03
329	44	2.67	13.71	-0.10	0.0	-6.66e-06	-4.73e-03
329	48	4.68	2.55	-0.11	0.0	2.70e-05	-2.39e-03
329	57	-4.38	-3.22	-0.13	0.0	-1.15e-04	4.06e-03
329	76	1.16	5.98	-0.11	0.0	-2.92e-05	-2.05e-03
329	79	-3.27e-03	0.02	-0.09	0.0	-3.63e-05	9.14e-06
329	80	1.05e-03	9.00e-03	-0.12	0.0	-4.66e-05	8.37e-06
329	83	-3.27e-03	0.02	-0.09	0.0	-3.71e-05	9.30e-06
329	84	2.12e-03	8.35e-03	-0.13	0.0	-5.01e-05	8.33e-06
330	3	-7.83e-03	0.03	-0.11	0.0	-3.96e-05	1.57e-05
330	4	-2.46e-03	0.01	-0.18	0.0	-8.36e-05	1.56e-05
330	13	-10.75	-5.82	-0.14	0.0	-2.26e-04	5.51e-03
330	25	-10.07	-7.41	-0.14	0.0	-2.13e-04	9.30e-03
330	44	2.67	13.72	-0.10	0.0	-1.58e-05	-4.72e-03
330	45	-4.69	-2.53	-0.13	0.0	-1.28e-04	2.41e-03
330	57	-4.39	-3.22	-0.13	0.0	-1.22e-04	4.06e-03
330	76	1.16	5.98	-0.11	0.0	-3.66e-05	-2.05e-03
330	79	-5.92e-03	0.02	-0.09	0.0	-2.92e-05	1.18e-05
330	80	-3.06e-03	9.99e-03	-0.12	0.0	-5.27e-05	1.17e-05
330	83	-6.00e-03	0.02	-0.09	0.0	-3.01e-05	1.20e-05
330	84	-2.42e-03	9.39e-03	-0.13	0.0	-5.95e-05	1.20e-05
331	3	-9.67e-03	0.03	-0.11	0.0	-2.57e-06	1.68e-05
331	4	-7.52e-03	0.01	-0.18	0.0	-3.54e-05	1.84e-05
331	13	-10.77	-5.81	-0.14	0.0	-1.93e-04	5.49e-03
331	25	-10.09	-7.41	-0.14	0.0	-1.79e-04	9.28e-03
331	44	2.67	13.73	-0.10	0.0	1.81e-05	-4.72e-03
331	45	-4.70	-2.53	-0.13	0.0	-9.46e-05	2.40e-03
331	57	-4.40	-3.22	-0.13	0.0	-8.87e-05	4.05e-03
331	76	1.16	5.99	-0.11	0.0	-2.77e-06	-2.05e-03
331	79	-7.26e-03	0.02	-0.09	0.0	-1.40e-06	1.26e-05
331	80	-6.11e-03	0.01	-0.12	0.0	-1.89e-05	1.35e-05
331	83	-7.39e-03	0.03	-0.09	0.0	-1.83e-06	1.29e-05
331	84	-5.96e-03	0.01	-0.13	0.0	-2.37e-05	1.39e-05
332	3	-7.71e-03	0.04	-0.11	0.0	6.11e-05	1.29e-05
332	4	-6.59e-03	0.01	-0.18	0.0	7.54e-05	1.58e-05
332	13	-10.78	-5.81	-0.14	0.0	-1.22e-04	5.48e-03
332	25	-10.10	-7.40	-0.14	0.0	-1.08e-04	9.27e-03
332	44	2.67	13.73	-0.10	0.0	9.47e-05	-4.72e-03
332	45	-4.70	-2.53	-0.13	0.0	-2.28e-05	2.39e-03
332	57	-4.40	-3.22	-0.13	0.0	-1.70e-05	4.05e-03
332	76	1.16	5.99	-0.11	0.0	7.15e-05	-2.05e-03
332	79	-5.76e-03	0.03	-0.09	0.0	4.59e-05	9.66e-06
332	80	-5.16e-03	0.01	-0.12	0.0	5.36e-05	1.12e-05
332	83	-5.89e-03	0.03	-0.09	0.0	4.68e-05	9.87e-06
332	84	-5.14e-03	0.01	-0.13	0.0	5.63e-05	1.18e-05
333	3	-1.87e-03	0.03	-0.12	0.0	-3.40e-05	9.82e-06
333	4	5.74e-03	7.84e-03	-0.18	0.0	9.17e-06	1.05e-05
333	8	6.18e-03	2.04e-03	-0.15	0.0	1.70e-05	8.30e-06
333	16	11.21	5.84	-0.10	0.0	1.50e-04	-5.52e-03
333	25	-10.86	-7.41	-0.14	0.0	-1.48e-04	9.32e-03
333	44	3.08	13.71	-0.11	0.0	4.06e-05	-4.73e-03
333	48	4.89	2.55	-0.11	0.0	6.38e-05	-2.40e-03
333	57	-4.73	-3.23	-0.13	0.0	-6.60e-05	4.06e-03
333	76	1.34	5.98	-0.11	0.0	1.61e-05	-2.06e-03
333	79	-1.48e-03	0.02	-0.09	0.0	-2.59e-05	7.30e-06
333	80	2.58e-03	8.11e-03	-0.12	0.0	-2.87e-06	7.68e-06
333	83	-1.45e-03	0.02	-0.09	0.0	-2.61e-05	7.49e-06
333	84	3.63e-03	7.40e-03	-0.13	0.0	2.69e-06	7.96e-06
334	3	-5.41e-03	0.03	-0.12	0.0	-5.25e-05	1.32e-05
334	4	2.69e-03	9.08e-03	-0.18	0.0	-7.27e-05	1.45e-05
334	16	11.22	5.84	-0.10	0.0	1.05e-04	-5.51e-03
334	25	-10.87	-7.41	-0.14	0.0	-1.94e-04	9.31e-03
334	44	3.08	13.71	-0.11	0.0	-1.23e-05	-4.72e-03
334	48	4.89	2.55	-0.11	0.0	1.74e-05	-2.39e-03
334	57	-4.74	-3.22	-0.13	0.0	-1.13e-04	4.06e-03
334	76	1.34	5.98	-0.11	0.0	-3.35e-05	-2.05e-03
334	79	-4.14e-03	0.02	-0.09	0.0	-3.92e-05	9.84e-06
334	80	1.85e-04	9.06e-03	-0.12	0.0	-5.00e-05	1.05e-05
334	83	-4.16e-03	0.02	-0.09	0.0	-4.01e-05	1.00e-05
334	84	1.25e-03	8.41e-03	-0.13	0.0	-5.35e-05	1.09e-05
335	3	-9.22e-03	0.03	-0.12	0.0	-4.18e-05	1.46e-05
335	4	-3.91e-03	0.01	-0.18	0.0	-8.69e-05	1.62e-05
335	13	-11.24	-5.82	-0.15	0.0	-2.11e-04	5.52e-03
335	25	-10.88	-7.41	-0.15	0.0	-1.99e-04	9.30e-03
335	44	3.08	13.72	-0.11	0.0	-2.00e-05	-4.72e-03
335	45	-4.90	-2.53	-0.13	0.0	-1.23e-04	2.41e-03
335	57	-4.75	-3.22	-0.13	0.0	-1.18e-04	4.06e-03

335	76	1.34	5.98	-0.11	0.0	-3.98e-05	-2.05e-03
335	79	-6.97e-03	0.02	-0.09	0.0	-3.09e-05	1.10e-05
335	80	-4.14e-03	0.01	-0.12	0.0	-5.50e-05	1.19e-05
335	83	-7.06e-03	0.02	-0.09	0.0	-3.18e-05	1.12e-05
335	84	-3.52e-03	9.45e-03	-0.13	0.0	-6.19e-05	1.22e-05
336	3	-0.01	0.03	-0.12	0.0	-1.54e-06	1.54e-05
336	4	-9.12e-03	0.01	-0.18	0.0	-3.54e-05	1.73e-05
336	13	-11.25	-5.81	-0.15	0.0	-1.74e-04	5.50e-03
336	25	-10.90	-7.41	-0.15	0.0	-1.62e-04	9.29e-03
336	44	3.08	13.73	-0.11	0.0	1.60e-05	-4.72e-03
336	45	-4.91	-2.53	-0.13	0.0	-8.65e-05	2.41e-03
336	57	-4.75	-3.22	-0.13	0.0	-8.13e-05	4.06e-03
336	76	1.34	5.99	-0.11	0.0	-3.63e-06	-2.05e-03
336	79	-8.37e-03	0.02	-0.09	0.0	0.0	1.18e-05
336	80	-7.29e-03	0.01	-0.12	0.0	-1.88e-05	1.28e-05
336	83	-8.52e-03	0.03	-0.09	0.0	-1.06e-06	1.18e-05
336	84	-7.17e-03	0.01	-0.13	0.0	-2.36e-05	1.31e-05
337	3	-8.84e-03	0.04	-0.12	0.0	6.90e-05	1.31e-05
337	4	-7.94e-03	0.01	-0.18	0.0	8.17e-05	1.58e-05
337	13	-11.26	-5.81	-0.15	0.0	-1.10e-04	5.49e-03
337	25	-10.91	-7.40	-0.15	0.0	-9.74e-05	9.28e-03
337	44	3.08	13.73	-0.11	0.0	9.88e-05	-4.72e-03
337	45	-4.91	-2.53	-0.13	0.0	-1.50e-05	2.40e-03
337	57	-4.76	-3.22	-0.13	0.0	-9.31e-06	4.05e-03
337	76	1.34	5.99	-0.12	0.0	7.62e-05	-2.05e-03
337	79	-6.62e-03	0.03	-0.09	0.0	5.19e-05	1.01e-05
337	80	-6.14e-03	0.01	-0.12	0.0	5.87e-05	1.15e-05
337	83	-6.76e-03	0.03	-0.09	0.0	5.28e-05	1.01e-05
337	84	-6.15e-03	0.01	-0.13	0.0	6.13e-05	1.19e-05
338	3	-2.62e-03	0.03	-0.12	0.0	-3.86e-05	9.36e-06
338	4	4.83e-03	7.95e-03	-0.18	0.0	3.09e-06	1.32e-05
338	8	5.44e-03	2.12e-03	-0.15	0.0	1.19e-05	1.11e-05
338	13	-11.62	-5.82	-0.15	0.0	-1.55e-04	5.53e-03
338	16	11.62	5.84	-0.10	0.0	1.41e-04	-5.51e-03
338	44	3.44	13.71	-0.11	0.0	3.34e-05	-4.73e-03
338	45	-5.06	-2.53	-0.13	0.0	-7.16e-05	2.42e-03
338	48	5.07	2.55	-0.11	0.0	5.74e-05	-2.40e-03
338	76	1.50	5.98	-0.12	0.0	1.06e-05	-2.05e-03
338	77	-2.04e-03	0.02	-0.09	0.0	-2.92e-05	6.70e-06
338	79	-2.03e-03	0.02	-0.09	0.0	-2.93e-05	6.82e-06
338	80	1.94e-03	8.18e-03	-0.12	0.0	-7.09e-06	8.88e-06
338	83	-2.02e-03	0.02	-0.09	0.0	-2.96e-05	7.11e-06
338	84	2.95e-03	7.47e-03	-0.13	0.0	-1.81e-06	9.67e-06
339	3	-6.29e-03	0.03	-0.12	0.0	-5.26e-05	8.69e-06
339	4	1.59e-03	9.18e-03	-0.18	0.0	-7.30e-05	1.38e-05
339	13	-11.63	-5.82	-0.15	0.0	-1.95e-04	5.53e-03
339	44	3.44	13.71	-0.11	0.0	-1.41e-05	-4.73e-03
339	45	-5.07	-2.53	-0.13	0.0	-1.14e-04	2.41e-03
339	76	1.50	5.98	-0.12	0.0	-3.45e-05	-2.05e-03
339	79	-4.79e-03	0.02	-0.09	0.0	-3.94e-05	6.40e-06
339	80	-5.90e-04	9.13e-03	-0.12	0.0	-5.03e-05	9.13e-06
339	83	-4.83e-03	0.02	-0.09	0.0	-4.02e-05	6.62e-06
339	84	4.25e-04	8.48e-03	-0.13	0.0	-5.38e-05	1.00e-05
340	3	-0.01	0.03	-0.12	0.0	-4.21e-05	6.89e-06
340	4	-4.98e-03	0.01	-0.18	0.0	-8.65e-05	1.08e-05
340	13	-11.65	-5.82	-0.15	0.0	-2.01e-04	5.52e-03
340	44	3.43	13.72	-0.11	0.0	-2.07e-05	-4.73e-03
340	45	-5.08	-2.53	-0.13	0.0	-1.19e-04	2.41e-03
340	76	1.49	5.98	-0.12	0.0	-4.01e-05	-2.06e-03
340	79	-7.63e-03	0.02	-0.09	0.0	-3.13e-05	5.25e-06
340	80	-4.90e-03	0.01	-0.12	0.0	-5.50e-05	7.36e-06
340	83	-7.73e-03	0.02	-0.09	0.0	-3.22e-05	5.29e-06
340	84	-4.32e-03	9.52e-03	-0.13	0.0	-6.18e-05	7.92e-06
341	3	-0.01	0.04	-0.12	0.0	-2.88e-06	7.64e-06
341	4	-0.01	0.01	-0.18	0.0	-3.66e-05	9.85e-06
341	13	-11.66	-5.81	-0.15	0.0	-1.68e-04	5.51e-03
341	44	3.43	13.73	-0.11	0.0	1.46e-05	-4.73e-03
341	45	-5.09	-2.53	-0.13	0.0	-8.42e-05	2.40e-03
341	76	1.49	5.99	-0.12	0.0	-4.82e-06	-2.06e-03
341	79	-9.10e-03	0.02	-0.09	0.0	-1.84e-06	6.05e-06
341	80	-8.11e-03	0.01	-0.12	0.0	-1.98e-05	7.23e-06
341	83	-9.25e-03	0.03	-0.09	0.0	-2.12e-06	5.92e-06
341	84	-8.01e-03	0.01	-0.13	0.0	-2.46e-05	7.39e-06
342	3	-9.81e-03	0.04	-0.12	0.0	7.30e-05	9.82e-06
342	4	-9.11e-03	0.01	-0.18	0.0	8.47e-05	1.22e-05
342	13	-11.67	-5.81	-0.15	0.0	-9.61e-05	5.51e-03
342	44	3.44	13.73	-0.11	0.0	9.95e-05	-4.72e-03

342	45	-5.09	-2.53	-0.13	0.0	-7.33e-06	2.40e-03
342	76	1.49	5.99	-0.12	0.0	7.79e-05	-2.05e-03
342	79	-7.37e-03	0.03	-0.09	0.0	5.50e-05	7.79e-06
342	80	-7.00e-03	0.01	-0.12	0.0	6.12e-05	9.04e-06
342	83	-7.50e-03	0.03	-0.09	0.0	5.59e-05	7.61e-06
342	84	-7.04e-03	0.01	-0.13	0.0	6.37e-05	9.18e-06
343	3	-3.19e-03	0.03	-0.12	0.0	-3.88e-05	4.48e-06
343	4	3.78e-03	8.03e-03	-0.18	0.0	0.0	1.38e-05
343	6	4.54e-03	-1.79e-03	-0.15	0.0	8.73e-06	1.22e-05
343	18	-12.04	1.17	-0.15	0.0	-1.52e-04	5.61e-03
343	23	12.26	0.44	-0.09	0.0	1.28e-04	-9.38e-03
343	44	3.79	13.71	-0.12	0.0	2.86e-05	-4.73e-03
343	50	-5.25	0.52	-0.13	0.0	-7.16e-05	2.45e-03
343	55	5.34	0.19	-0.11	0.0	5.05e-05	-4.08e-03
343	76	1.65	5.98	-0.12	0.0	7.30e-06	-2.06e-03
343	79	-2.44e-03	0.02	-0.09	0.0	-2.94e-05	3.08e-06
343	80	1.28e-03	8.25e-03	-0.12	0.0	-9.16e-06	8.05e-06
343	83	-2.45e-03	0.02	-0.09	0.0	-2.97e-05	3.35e-06
343	84	2.20e-03	7.54e-03	-0.13	0.0	-4.41e-06	9.56e-06
344	3	-6.59e-03	0.03	-0.12	0.0	-4.78e-05	-1.91e-06
344	4	6.93e-04	9.28e-03	-0.18	0.0	-6.74e-05	8.84e-06
344	18	-12.05	1.18	-0.15	0.0	-1.83e-04	5.60e-03
344	22	-12.27	-0.41	-0.15	0.0	-1.75e-04	9.38e-03
344	44	3.79	13.71	-0.12	0.0	-1.14e-05	-4.73e-03
344	50	-5.25	0.52	-0.14	0.0	-1.06e-04	2.44e-03
344	54	-5.35	-0.17	-0.13	0.0	-1.02e-04	4.09e-03
344	76	1.65	5.98	-0.12	0.0	-3.12e-05	-2.06e-03
344	79	-5.01e-03	0.02	-0.09	0.0	-3.60e-05	-1.66e-06
344	80	-1.12e-03	9.21e-03	-0.12	0.0	-4.64e-05	4.08e-06
344	83	-5.06e-03	0.02	-0.09	0.0	-3.66e-05	-1.51e-06
344	84	-1.98e-04	8.56e-03	-0.13	0.0	-4.97e-05	5.65e-06
345	3	-0.01	0.03	-0.12	0.0	-3.97e-05	-8.38e-06
345	4	-5.38e-03	0.01	-0.18	0.0	-8.06e-05	-1.51e-06
345	18	-12.07	1.18	-0.15	0.0	-1.89e-04	5.58e-03
345	22	-12.28	-0.41	-0.15	0.0	-1.79e-04	9.37e-03
345	44	3.79	13.72	-0.12	0.0	-1.76e-05	-4.74e-03
345	50	-5.26	0.52	-0.14	0.0	-1.11e-04	2.43e-03
345	54	-5.36	-0.17	-0.14	0.0	-1.07e-04	4.08e-03
345	76	1.65	5.98	-0.12	0.0	-3.68e-05	-2.07e-03
345	79	-7.63e-03	0.02	-0.09	0.0	-2.97e-05	-6.32e-06
345	80	-5.12e-03	0.01	-0.12	0.0	-5.16e-05	-2.66e-06
345	83	-7.73e-03	0.02	-0.09	0.0	-3.03e-05	-6.42e-06
345	84	-4.59e-03	9.61e-03	-0.13	0.0	-5.76e-05	-1.84e-06
346	3	-0.01	0.04	-0.12	0.0	-5.32e-06	-9.43e-06
346	4	-0.01	0.01	-0.18	0.0	-3.64e-05	-7.89e-06
346	18	-12.08	1.19	-0.15	0.0	-1.61e-04	5.57e-03
346	22	-12.30	-0.40	-0.15	0.0	-1.50e-04	9.36e-03
346	44	3.79	13.73	-0.12	0.0	1.37e-05	-4.74e-03
346	50	-5.27	0.53	-0.14	0.0	-8.16e-05	2.42e-03
346	54	-5.36	-0.17	-0.14	0.0	-7.71e-05	4.07e-03
346	76	1.65	5.99	-0.12	0.0	-5.57e-06	-2.07e-03
346	79	-9.12e-03	0.02	-0.09	0.0	-3.90e-06	-6.86e-06
346	80	-8.21e-03	0.01	-0.12	0.0	-2.05e-05	-6.04e-06
346	83	-9.25e-03	0.03	-0.09	0.0	-4.04e-06	-7.16e-06
346	84	-8.11e-03	0.01	-0.13	0.0	-2.48e-05	-6.13e-06
347	3	-0.01	0.04	-0.12	0.0	7.04e-05	-4.16e-06
347	4	-9.48e-03	0.01	-0.18	0.0	8.12e-05	-4.93e-06
347	18	-12.09	1.20	-0.15	0.0	-8.38e-05	5.56e-03
347	22	-12.31	-0.39	-0.15	0.0	-7.35e-05	9.35e-03
347	44	3.79	13.73	-0.12	0.0	9.44e-05	-4.74e-03
347	50	-5.27	0.53	-0.14	0.0	-3.29e-06	2.42e-03
347	54	-5.37	-0.17	-0.14	0.0	1.18e-06	4.07e-03
347	76	1.65	5.99	-0.12	0.0	7.43e-05	-2.07e-03
347	79	-7.62e-03	0.03	-0.09	0.0	5.31e-05	-2.74e-06
347	80	-7.29e-03	0.01	-0.12	0.0	5.89e-05	-3.15e-06
347	83	-7.74e-03	0.03	-0.09	0.0	5.39e-05	-3.09e-06
347	84	-7.32e-03	0.01	-0.13	0.0	6.11e-05	-3.60e-06
348	3	-3.24e-03	0.03	-0.12	0.0	-3.25e-05	-3.88e-06
348	4	2.76e-03	8.09e-03	-0.18	0.0	-1.06e-06	1.27e-05
348	6	3.56e-03	-1.75e-03	-0.15	0.0	7.00e-06	1.33e-05
348	18	-12.46	1.17	-0.16	0.0	-1.46e-04	5.60e-03
348	23	12.96	0.44	-0.09	0.0	1.24e-04	-9.38e-03
348	44	4.15	13.71	-0.12	0.0	2.75e-05	-4.73e-03
348	50	-5.43	0.52	-0.14	0.0	-6.79e-05	2.44e-03
348	55	5.65	0.19	-0.11	0.0	4.97e-05	-4.08e-03
348	76	1.81	5.98	-0.12	0.0	7.56e-06	-2.06e-03
348	79	-2.46e-03	0.02	-0.09	0.0	-2.46e-05	-3.18e-06

348	80	7.45e-04	8.30e-03	-0.12	0.0	-7.83e-06	5.68e-06
348	83	-2.48e-03	0.02	-0.09	0.0	-2.49e-05	-3.03e-06
348	84	1.52e-03	7.59e-03	-0.13	0.0	-3.94e-06	8.04e-06
349	3	-5.92e-03	0.03	-0.12	0.0	-3.75e-05	-1.60e-05
349	4	2.79e-04	9.37e-03	-0.18	0.0	-5.42e-05	1.80e-06
349	18	-12.47	1.18	-0.16	0.0	-1.66e-04	5.59e-03
349	22	-12.97	-0.41	-0.16	0.0	-1.58e-04	9.37e-03
349	44	4.15	13.71	-0.12	0.0	-3.57e-06	-4.74e-03
349	50	-5.44	0.52	-0.14	0.0	-9.31e-05	2.43e-03
349	54	-5.65	-0.17	-0.14	0.0	-8.97e-05	4.08e-03
349	76	1.81	5.98	-0.12	0.0	-2.26e-05	-2.07e-03
349	79	-4.48e-03	0.02	-0.09	0.0	-2.83e-05	-1.23e-05
349	80	-1.18e-03	9.29e-03	-0.12	0.0	-3.72e-05	-2.82e-06
349	83	-4.54e-03	0.02	-0.09	0.0	-2.87e-05	-1.23e-05
349	84	-4.04e-04	8.64e-03	-0.13	0.0	-3.99e-05	0.0
350	3	-8.72e-03	0.03	-0.12	0.0	-3.31e-05	-2.75e-05
350	4	-4.66e-03	0.01	-0.18	0.0	-6.64e-05	-1.74e-05
350	18	-12.48	1.18	-0.16	0.0	-1.71e-04	5.56e-03
350	22	-12.99	-0.41	-0.16	0.0	-1.62e-04	9.35e-03
350	44	4.15	13.72	-0.12	0.0	-9.76e-06	-4.75e-03
350	50	-5.44	0.52	-0.14	0.0	-9.86e-05	2.42e-03
350	54	-5.66	-0.17	-0.14	0.0	-9.48e-05	4.07e-03
350	76	1.80	5.98	-0.12	0.0	-2.84e-05	-2.08e-03
350	79	-6.59e-03	0.02	-0.09	0.0	-2.50e-05	-2.09e-05
350	80	-4.43e-03	0.01	-0.12	0.0	-4.27e-05	-1.55e-05
350	83	-6.68e-03	0.02	-0.09	0.0	-2.53e-05	-2.11e-05
350	84	-3.97e-03	9.70e-03	-0.13	0.0	-4.75e-05	-1.43e-05
351	3	-0.01	0.04	-0.12	0.0	-7.43e-06	-3.18e-05
351	4	-8.87e-03	0.01	-0.18	0.0	-3.21e-05	-3.14e-05
351	18	-12.50	1.19	-0.16	0.0	-1.49e-04	5.55e-03
351	22	-13.00	-0.40	-0.16	0.0	-1.40e-04	9.34e-03
351	44	4.15	13.73	-0.12	0.0	1.42e-05	-4.76e-03
351	50	-5.45	0.53	-0.14	0.0	-7.57e-05	2.40e-03
351	54	-5.67	-0.17	-0.14	0.0	-7.17e-05	4.05e-03
351	76	1.80	5.99	-0.12	0.0	-4.45e-06	-2.09e-03
351	79	-7.95e-03	0.02	-0.09	0.0	-5.71e-06	-2.39e-05
351	80	-7.07e-03	0.01	-0.12	0.0	-1.89e-05	-2.37e-05
351	83	-8.06e-03	0.03	-0.10	0.0	-5.71e-06	-2.43e-05
351	84	-6.96e-03	0.01	-0.13	0.0	-2.22e-05	-2.40e-05
352	3	-9.08e-03	0.04	-0.13	0.0	5.87e-05	-2.35e-05
352	4	-8.26e-03	0.01	-0.18	0.0	6.86e-05	-2.76e-05
352	18	-12.51	1.20	-0.16	0.0	-8.04e-05	5.54e-03
352	22	-13.01	-0.39	-0.16	0.0	-7.17e-05	9.33e-03
352	44	4.15	13.73	-0.12	0.0	8.23e-05	-4.75e-03
352	50	-5.45	0.53	-0.14	0.0	-7.08e-06	2.40e-03
352	54	-5.67	-0.17	-0.14	0.0	-3.30e-06	4.05e-03
352	76	1.80	5.99	-0.12	0.0	6.38e-05	-2.08e-03
352	79	-6.88e-03	0.03	-0.09	0.0	4.42e-05	-1.75e-05
352	80	-6.44e-03	0.01	-0.12	0.0	4.95e-05	-1.97e-05
352	83	-6.96e-03	0.03	-0.10	0.0	4.49e-05	-1.79e-05
352	84	-6.41e-03	0.01	-0.13	0.0	5.15e-05	-2.07e-05
353	3	-2.66e-03	0.03	-0.13	0.0	-2.03e-05	-1.09e-05
353	4	1.78e-03	8.13e-03	-0.18	0.0	1.84e-06	1.30e-05
353	18	-12.88	1.17	-0.16	0.0	-1.33e-04	5.60e-03
353	23	13.67	0.44	-0.09	0.0	1.21e-04	-9.37e-03
353	44	4.50	13.71	-0.13	0.0	2.96e-05	-4.73e-03
353	50	-5.61	0.52	-0.14	0.0	-5.99e-05	2.44e-03
353	55	5.96	0.19	-0.11	0.0	5.06e-05	-4.08e-03
353	76	1.96	5.98	-0.13	0.0	1.09e-05	-2.06e-03
353	79	-2.00e-03	0.02	-0.09	0.0	-1.53e-05	-8.39e-06
353	80	3.68e-04	8.33e-03	-0.12	0.0	-3.50e-06	4.39e-06
353	83	-2.04e-03	0.02	-0.10	0.0	-1.55e-05	-8.39e-06
353	84	9.28e-04	7.62e-03	-0.13	0.0	0.0	7.58e-06
354	3	-4.26e-03	0.03	-0.13	0.0	-2.27e-05	-2.59e-05
354	4	3.11e-04	9.47e-03	-0.18	0.0	-3.39e-05	-1.77e-06
354	18	-12.89	1.18	-0.16	0.0	-1.42e-04	5.58e-03
354	22	-13.68	-0.41	-0.16	0.0	-1.35e-04	9.36e-03
354	44	4.50	13.71	-0.13	0.0	8.27e-06	-4.74e-03
354	50	-5.62	0.52	-0.14	0.0	-7.50e-05	2.43e-03
354	54	-5.96	-0.17	-0.14	0.0	-7.20e-05	4.08e-03
354	76	1.96	5.98	-0.13	0.0	-9.44e-06	-2.07e-03
354	79	-3.21e-03	0.02	-0.09	0.0	-1.71e-05	-1.98e-05
354	80	-7.73e-04	9.37e-03	-0.12	0.0	-2.31e-05	-6.88e-06
354	83	-3.26e-03	0.02	-0.10	0.0	-1.74e-05	-1.99e-05
354	84	-2.13e-04	8.71e-03	-0.13	0.0	-2.48e-05	-3.79e-06
355	3	-6.01e-03	0.03	-0.13	0.0	-2.20e-05	-4.09e-05
355	4	-2.83e-03	0.01	-0.18	0.0	-4.31e-05	-2.82e-05

355	18	-12.90	1.18	-0.16	0.0	-1.47e-04	5.55e-03
355	22	-13.69	-0.41	-0.16	0.0	-1.39e-04	9.34e-03
355	44	4.50	13.72	-0.13	0.0	2.91e-06	-4.76e-03
355	50	-5.62	0.52	-0.14	0.0	-7.98e-05	2.40e-03
355	54	-5.97	-0.17	-0.14	0.0	-7.65e-05	4.05e-03
355	76	1.96	5.98	-0.13	0.0	-1.45e-05	-2.09e-03
355	79	-4.54e-03	0.02	-0.09	0.0	-1.67e-05	-3.10e-05
355	80	-2.84e-03	0.01	-0.12	0.0	-2.80e-05	-2.43e-05
355	83	-4.61e-03	0.02	-0.10	0.0	-1.69e-05	-3.14e-05
355	84	-2.48e-03	9.81e-03	-0.13	0.0	-3.10e-05	-2.29e-05
356	3	-7.33e-03	0.04	-0.13	0.0	-7.59e-06	-4.91e-05
356	4	-5.64e-03	0.01	-0.18	0.0	-2.23e-05	-5.00e-05
356	18	-12.91	1.19	-0.16	0.0	-1.35e-04	5.53e-03
356	22	-13.70	-0.40	-0.16	0.0	-1.27e-04	9.32e-03
356	44	4.50	13.73	-0.13	0.0	1.74e-05	-4.77e-03
356	50	-5.63	0.53	-0.14	0.0	-6.64e-05	2.39e-03
356	54	-5.97	-0.17	-0.14	0.0	-6.30e-05	4.04e-03
356	76	1.96	5.99	-0.13	0.0	0.0	-2.10e-03
356	79	-5.54e-03	0.02	-0.10	0.0	-5.95e-06	-3.72e-05
356	80	-4.65e-03	0.01	-0.13	0.0	-3.77e-05	-3.77e-05
356	83	-5.61e-03	0.03	-0.10	0.0	-5.87e-06	-3.76e-05
356	84	-4.49e-03	0.01	-0.13	0.0	-1.57e-05	-3.82e-05
357	3	-6.60e-03	0.04	-0.13	0.0	3.83e-05	-4.07e-05
357	4	-5.31e-03	0.01	-0.18	0.0	4.72e-05	-4.79e-05
357	18	-12.92	1.20	-0.17	0.0	-8.75e-05	5.52e-03
357	22	-13.71	-0.39	-0.16	0.0	-8.03e-05	9.31e-03
357	44	4.51	13.73	-0.13	0.0	6.40e-05	-4.76e-03
357	50	-5.63	0.53	-0.14	0.0	-1.92e-05	2.39e-03
357	54	-5.97	-0.17	-0.14	0.0	-1.60e-05	4.04e-03
357	76	1.96	5.99	-0.13	0.0	4.68e-05	-2.10e-03
357	79	-5.01e-03	0.03	-0.10	0.0	2.88e-05	-3.07e-05
357	80	-4.32e-03	0.01	-0.13	0.0	3.35e-05	-3.46e-05
357	83	-5.06e-03	0.03	-0.10	0.0	2.93e-05	-3.11e-05
357	84	-4.20e-03	0.01	-0.14	0.0	3.52e-05	-3.60e-05
358	3	-1.82e-03	0.03	-0.13	0.0	-7.18e-06	-9.19e-06
358	4	6.33e-04	8.14e-03	-0.18	0.0	4.99e-06	1.66e-05
358	18	-13.30	1.17	-0.17	0.0	-1.17e-04	5.59e-03
358	22	-14.37	-0.42	-0.17	0.0	-1.13e-04	9.38e-03
358	44	4.86	13.71	-0.14	0.0	3.18e-05	-4.73e-03
358	50	-5.80	0.52	-0.14	0.0	-5.05e-05	2.44e-03
358	54	-6.26	-0.18	-0.14	0.0	-4.84e-05	4.09e-03
358	76	2.12	5.98	-0.13	0.0	1.45e-05	-2.06e-03
358	79	-1.36e-03	0.02	-0.10	0.0	-5.39e-06	-7.00e-06
358	80	-5.14e-05	8.36e-03	-0.12	0.0	1.11e-06	6.78e-06
358	83	-1.39e-03	0.02	-0.10	0.0	-5.49e-06	-7.05e-06
358	84	2.46e-04	7.64e-03	-0.13	0.0	2.62e-06	1.02e-05
359	3	-2.34e-03	0.03	-0.13	0.0	-7.72e-06	-2.01e-05
359	4	2.88e-04	9.58e-03	-0.18	0.0	-1.07e-05	3.89e-06
359	18	-13.31	1.18	-0.17	0.0	-1.18e-04	5.58e-03
359	22	-14.38	-0.41	-0.17	0.0	-1.12e-04	9.36e-03
359	44	4.86	13.71	-0.14	0.0	2.09e-05	-4.74e-03
359	50	-5.80	0.52	-0.14	0.0	-5.56e-05	2.43e-03
359	54	-6.27	-0.17	-0.14	0.0	-5.30e-05	4.08e-03
359	76	2.12	5.98	-0.13	0.0	4.93e-06	-2.07e-03
359	79	-1.75e-03	0.02	-0.10	0.0	-5.83e-06	-1.52e-05
359	80	-3.49e-04	9.46e-03	-0.13	0.0	-7.39e-06	-2.44e-06
359	83	-1.79e-03	0.02	-0.10	0.0	-5.91e-06	-1.54e-05
359	84	-3.60e-05	8.80e-03	-0.14	0.0	-7.86e-06	0.0
360	3	-2.95e-03	0.03	-0.13	0.0	-8.38e-06	-3.32e-05
360	4	-7.30e-04	0.01	-0.18	0.0	-1.47e-05	-2.17e-05
360	18	-13.32	1.18	-0.17	0.0	-1.21e-04	5.55e-03
360	22	-14.39	-0.41	-0.17	0.0	-1.14e-04	9.34e-03
360	44	4.86	13.72	-0.14	0.0	1.83e-05	-4.75e-03
360	50	-5.80	0.52	-0.15	0.0	-5.81e-05	2.41e-03
360	54	-6.27	-0.17	-0.14	0.0	-5.53e-05	4.06e-03
360	76	2.12	5.98	-0.13	0.0	2.46e-06	-2.08e-03
360	79	-2.21e-03	0.02	-0.10	0.0	-6.42e-06	-2.52e-05
360	80	-1.03e-03	0.01	-0.13	0.0	-9.78e-06	-1.90e-05
360	83	-2.25e-03	0.02	-0.10	0.0	-6.44e-06	-2.55e-05
360	84	-7.75e-04	9.93e-03	-0.14	0.0	-1.06e-05	-1.78e-05
361	3	-3.47e-03	0.04	-0.13	0.0	-3.52e-06	-4.41e-05
361	4	-1.66e-03	0.01	-0.19	0.0	-6.56e-06	-4.60e-05
361	18	-13.33	1.19	-0.17	0.0	-1.16e-04	5.53e-03
361	22	-14.40	-0.40	-0.17	0.0	-1.10e-04	9.32e-03
361	44	4.86	13.73	-0.14	0.0	2.44e-05	-4.77e-03
361	50	-5.81	0.53	-0.15	0.0	-5.32e-05	2.39e-03
361	54	-6.27	-0.17	-0.15	0.0	-5.05e-05	4.04e-03

361	76	2.12	5.99	-0.13	0.0	8.06e-06	-2.10e-03
361	79	-2.62e-03	0.02	-0.10	0.0	-2.90e-06	-3.34e-05
361	80	-1.65e-03	0.01	-0.13	0.0	-4.53e-06	-3.44e-05
361	83	-2.66e-03	0.03	-0.10	0.0	-2.75e-06	-3.38e-05
361	84	-1.45e-03	0.01	-0.14	0.0	-4.78e-06	-3.50e-05
362	3	-3.23e-03	0.04	-0.13	0.0	1.63e-05	-4.18e-05
362	4	-1.31e-03	0.01	-0.19	0.0	2.41e-05	-4.97e-05
362	18	-13.33	1.20	-0.17	0.0	-9.88e-05	5.52e-03
362	22	-14.40	-0.39	-0.17	0.0	-9.28e-05	9.31e-03
362	44	4.86	13.73	-0.14	0.0	4.46e-05	-4.77e-03
362	50	-5.81	0.53	-0.15	0.0	-3.38e-05	2.38e-03
362	54	-6.28	-0.17	-0.15	0.0	-3.12e-05	4.04e-03
362	76	2.12	5.99	-0.13	0.0	2.86e-05	-2.10e-03
362	79	-2.46e-03	0.03	-0.10	0.0	1.22e-05	-3.16e-05
362	80	-1.44e-03	0.01	-0.13	0.0	1.63e-05	-3.59e-05
362	83	-2.48e-03	0.03	-0.10	0.0	1.25e-05	-3.20e-05
362	84	-1.20e-03	0.01	-0.14	0.0	1.77e-05	-3.73e-05
363	3	-6.45e-05	0.03	-0.13	-6.02e-05	0.0	-2.77e-05
363	4	1.03e-03	9.82e-03	-0.19	-4.10e-05	0.0	-4.68e-06
363	8	1.05e-03	3.45e-03	-0.16	-2.79e-05	0.0	1.62e-06
363	16	13.69	1.67	-0.17	-9.53e-05	0.0	-5.53e-03
363	23	15.07	-6.66	-0.15	-3.83e-05	0.0	-9.39e-03
363	34	-5.30	13.40	-0.15	-1.12e-04	0.0	4.97e-03
363	48	5.97	0.73	-0.15	-5.94e-05	0.0	-2.42e-03
363	55	6.57	-2.90	-0.14	-3.46e-05	0.0	-4.10e-03
363	66	-2.31	5.84	-0.14	-6.65e-05	0.0	2.16e-03
363	79	-7.88e-05	0.02	-0.10	-4.19e-05	0.0	-2.08e-05
363	80	5.03e-04	9.70e-03	-0.13	-3.17e-05	0.0	-8.59e-06
363	83	-5.69e-05	0.02	-0.10	-4.52e-05	0.0	-2.12e-05
363	84	6.70e-04	8.96e-03	-0.14	-3.24e-05	0.0	-5.85e-06
364	3	0.0	0.03	-0.13	-5.38e-05	0.0	-4.78e-05
364	4	1.26e-03	0.01	-0.19	-4.99e-05	0.0	-2.53e-05
364	8	1.26e-03	6.08e-03	-0.16	-3.82e-05	0.0	-1.43e-05
364	16	13.70	1.67	-0.17	-9.33e-05	0.0	-5.54e-03
364	23	15.08	-6.66	-0.15	-4.50e-05	0.0	-9.40e-03
364	34	-5.30	13.41	-0.15	-1.02e-04	0.0	4.96e-03
364	48	5.97	0.74	-0.15	-6.06e-05	0.0	-2.43e-03
364	55	6.57	-2.89	-0.14	-3.95e-05	0.0	-4.11e-03
364	66	-2.31	5.85	-0.14	-6.44e-05	0.0	2.15e-03
364	79	-2.68e-05	0.02	-0.10	-3.74e-05	0.0	-3.65e-05
364	80	6.44e-04	0.01	-0.13	-3.53e-05	0.0	-2.45e-05
364	83	-6.50e-06	0.03	-0.10	-4.04e-05	0.0	-3.67e-05
364	84	8.32e-04	0.01	-0.14	-3.78e-05	0.0	-2.17e-05
365	3	-5.40e-05	0.04	-0.13	-4.62e-05	0.0	-6.30e-05
365	4	1.47e-03	0.02	-0.19	-4.63e-05	0.0	-5.19e-05
365	8	1.48e-03	8.95e-03	-0.16	-3.63e-05	0.0	-3.73e-05
365	16	13.71	1.68	-0.17	-8.91e-05	0.0	-5.54e-03
365	23	15.09	-6.65	-0.15	-4.18e-05	0.0	-9.41e-03
365	34	-5.30	13.41	-0.15	-9.70e-05	0.0	4.95e-03
365	48	5.97	0.74	-0.15	-5.67e-05	0.0	-2.44e-03
365	55	6.58	-2.89	-0.14	-3.61e-05	0.0	-4.12e-03
365	66	-2.31	5.85	-0.14	-6.01e-05	0.0	2.13e-03
365	79	-6.22e-05	0.03	-0.10	-3.16e-05	0.0	-4.85e-05
365	80	7.49e-04	0.01	-0.13	-3.17e-05	0.0	-4.26e-05
365	83	-4.66e-05	0.03	-0.10	-3.46e-05	0.0	-4.85e-05
365	84	9.67e-04	0.01	-0.14	-3.46e-05	0.0	-4.11e-05
366	3	-2.69e-04	0.04	-0.13	-3.41e-05	0.0	-6.79e-05
366	4	1.52e-03	0.02	-0.19	-3.14e-05	0.0	-6.96e-05
366	8	1.58e-03	0.01	-0.16	-2.42e-05	0.0	-5.39e-05
366	16	13.72	1.69	-0.17	-8.09e-05	0.0	-5.54e-03
366	23	15.10	-6.65	-0.15	-3.02e-05	0.0	-9.41e-03
366	34	-5.31	13.42	-0.15	-9.09e-05	0.0	4.94e-03
366	48	5.98	0.74	-0.15	-4.69e-05	0.0	-2.45e-03
366	55	6.58	-2.89	-0.14	-2.48e-05	0.0	-4.13e-03
366	66	-2.31	5.86	-0.14	-5.12e-05	0.0	2.12e-03
366	79	-2.15e-04	0.03	-0.10	-2.21e-05	0.0	-5.25e-05
366	80	7.39e-04	0.02	-0.13	-2.06e-05	0.0	-5.34e-05
366	83	-2.09e-04	0.03	-0.10	-2.52e-05	0.0	-5.23e-05
366	84	9.83e-04	0.02	-0.14	-2.34e-05	0.0	-5.34e-05
367	3	-7.13e-04	0.04	-0.13	-9.97e-06	0.0	-5.30e-05
367	4	1.30e-03	0.02	-0.19	2.95e-06	0.0	-6.01e-05
367	6	1.48e-03	6.28e-03	-0.15	1.20e-05	0.0	-4.84e-05
367	16	13.72	1.69	-0.17	-6.51e-05	0.0	-5.53e-03
367	23	15.10	-6.65	-0.15	-5.42e-06	0.0	-9.40e-03
367	34	-5.31	13.43	-0.15	-7.90e-05	0.0	4.95e-03
367	48	5.98	0.75	-0.15	-2.61e-05	0.0	-2.43e-03
367	55	6.58	-2.89	-0.14	0.0	0.0	-4.12e-03

367	66	-2.31	5.86	-0.14	-3.22e-05	0.0	2.13e-03
367	78	5.40e-04	0.02	-0.13	5.48e-06	0.0	-4.50e-05
367	79	-5.36e-04	0.03	-0.10	-2.93e-06	0.0	-4.11e-05
367	80	5.36e-04	0.02	-0.13	3.95e-06	0.0	-4.49e-05
367	82	8.08e-04	0.01	-0.14	7.20e-06	0.0	-4.60e-05
367	83	-5.45e-04	0.03	-0.10	-6.49e-06	0.0	-4.09e-05
367	84	7.95e-04	0.02	-0.14	2.12e-06	0.0	-4.56e-05
368	3	-2.06e-04	0.03	-0.13	-8.86e-05	0.0	-3.06e-05
368	4	9.20e-04	0.01	-0.19	-5.72e-05	0.0	-9.16e-06
368	8	9.71e-04	3.45e-03	-0.16	-3.76e-05	0.0	-2.18e-06
368	23	15.07	-5.88	-0.14	-4.63e-05	0.0	-9.39e-03
368	32	3.33	11.85	-0.16	-1.48e-04	0.0	5.04e-04
368	34	-5.30	12.98	-0.15	-1.31e-04	0.0	4.97e-03
368	55	6.57	-2.56	-0.13	-4.67e-05	0.0	-4.10e-03
368	64	1.45	5.17	-0.14	-9.09e-05	0.0	2.13e-04
368	66	-2.31	5.66	-0.14	-8.35e-05	0.0	2.16e-03
368	79	-1.81e-04	0.02	-0.10	-6.37e-05	0.0	-2.31e-05
368	80	4.19e-04	0.01	-0.13	-4.69e-05	0.0	-1.17e-05
368	83	-1.64e-04	0.02	-0.10	-6.70e-05	0.0	-2.34e-05
368	84	5.86e-04	9.59e-03	-0.14	-4.61e-05	0.0	-9.15e-06
369	3	-1.89e-04	0.04	-0.13	-7.67e-05	0.0	-5.41e-05
369	4	1.10e-03	0.02	-0.19	-8.04e-05	0.0	-3.09e-05
369	8	1.14e-03	7.51e-03	-0.16	-6.34e-05	0.0	-1.85e-05
369	23	15.08	-5.87	-0.14	-5.92e-05	0.0	-9.40e-03
369	32	3.33	11.86	-0.16	-1.35e-04	0.0	4.90e-04
369	34	-5.30	12.99	-0.15	-1.21e-04	0.0	4.96e-03
369	55	6.57	-2.55	-0.14	-5.81e-05	0.0	-4.11e-03
369	64	1.45	5.18	-0.14	-9.13e-05	0.0	1.97e-04
369	66	-2.31	5.67	-0.14	-8.51e-05	0.0	2.14e-03
369	79	-1.65e-04	0.03	-0.10	-5.53e-05	0.0	-4.13e-05
369	80	5.21e-04	0.01	-0.13	-5.72e-05	0.0	-2.89e-05
369	83	-1.50e-04	0.03	-0.10	-5.81e-05	0.0	-4.15e-05
369	84	7.07e-04	0.01	-0.14	-6.05e-05	0.0	-2.61e-05
370	3	-2.46e-04	0.04	-0.13	-5.94e-05	0.0	-7.13e-05
370	4	1.28e-03	0.02	-0.19	-7.50e-05	0.0	-5.85e-05
370	8	1.34e-03	0.01	-0.16	-6.20e-05	0.0	-4.21e-05
370	23	15.09	-5.87	-0.15	-5.34e-05	0.0	-9.42e-03
370	32	3.33	11.87	-0.16	-1.24e-04	0.0	4.80e-04
370	34	-5.30	13.00	-0.15	-1.10e-04	0.0	4.94e-03
370	55	6.57	-2.55	-0.14	-5.18e-05	0.0	-4.13e-03
370	64	1.45	5.18	-0.14	-8.24e-05	0.0	1.82e-04
370	66	-2.31	5.68	-0.14	-7.63e-05	0.0	2.13e-03
370	79	-2.04e-04	0.03	-0.10	-4.21e-05	0.0	-5.48e-05
370	80	6.11e-04	0.02	-0.13	-5.05e-05	0.0	-4.80e-05
370	83	-1.93e-04	0.03	-0.10	-4.48e-05	0.0	-5.48e-05
370	84	8.26e-04	0.02	-0.14	-5.52e-05	0.0	-4.63e-05
371	3	-4.20e-04	0.05	-0.13	-2.77e-05	0.0	-7.43e-05
371	4	1.37e-03	0.03	-0.19	-3.74e-05	0.0	-7.45e-05
371	8	1.47e-03	0.02	-0.16	-3.17e-05	0.0	-5.73e-05
371	23	15.10	-5.87	-0.15	-2.48e-05	0.0	-9.42e-03
371	32	3.34	11.88	-0.16	-1.04e-04	0.0	4.80e-04
371	34	-5.31	13.01	-0.15	-8.91e-05	0.0	4.94e-03
371	55	6.58	-2.54	-0.14	-2.36e-05	0.0	-4.14e-03
371	64	1.45	5.19	-0.14	-5.82e-05	0.0	1.77e-04
371	66	-2.31	5.68	-0.14	-5.16e-05	0.0	2.12e-03
371	79	-3.29e-04	0.03	-0.10	-1.75e-05	0.0	-5.74e-05
371	80	6.27e-04	0.02	-0.13	-2.26e-05	0.0	-5.75e-05
371	83	-3.25e-04	0.04	-0.10	-2.03e-05	0.0	-5.72e-05
371	84	8.70e-04	0.02	-0.14	-2.68e-05	0.0	-5.73e-05
372	3	-8.02e-04	0.05	-0.13	2.98e-05	0.0	-5.28e-05
372	4	1.23e-03	0.03	-0.19	4.51e-05	0.0	-5.87e-05
372	6	1.43e-03	0.01	-0.16	4.52e-05	0.0	-4.74e-05
372	23	15.10	-5.87	-0.15	3.84e-05	0.0	-9.40e-03
372	32	3.34	11.89	-0.17	-7.27e-05	0.0	5.02e-04
372	34	-5.31	13.02	-0.15	-5.54e-05	0.0	4.95e-03
372	55	6.58	-2.54	-0.14	3.70e-05	0.0	-4.12e-03
372	64	1.46	5.19	-0.15	-1.14e-05	0.0	1.94e-04
372	66	-2.31	5.68	-0.14	-3.88e-06	0.0	2.13e-03
372	79	-6.07e-04	0.03	-0.10	2.78e-05	0.0	-4.12e-05
372	80	4.75e-04	0.02	-0.13	3.59e-05	0.0	-4.44e-05
372	82	7.49e-04	0.02	-0.14	3.95e-05	0.0	-4.53e-05
372	83	-6.15e-04	0.04	-0.10	2.41e-05	0.0	-4.08e-05
372	84	7.39e-04	0.02	-0.14	3.43e-05	0.0	-4.47e-05
373	3	-4.13e-04	0.03	-0.13	-1.16e-04	0.0	-2.01e-05
373	4	6.85e-04	0.01	-0.19	-7.28e-05	0.0	-2.23e-06
373	8	7.83e-04	3.46e-03	-0.16	-4.69e-05	0.0	2.37e-06
373	23	15.07	-5.10	-0.14	-5.30e-05	0.0	-9.38e-03

373	32	3.33	11.81	-0.16	-1.61e-04	0.0	5.13e-04
373	34	-5.30	12.57	-0.15	-1.49e-04	0.0	4.98e-03
373	55	6.57	-2.21	-0.13	-5.78e-05	0.0	-4.09e-03
373	64	1.45	5.15	-0.14	-1.05e-04	0.0	2.20e-04
373	66	-2.31	5.48	-0.14	-9.96e-05	0.0	2.17e-03
373	77	-3.35e-04	0.02	-0.10	-8.28e-05	0.0	-1.52e-05
373	79	-3.31e-04	0.02	-0.10	-8.43e-05	0.0	-1.52e-05
373	80	2.55e-04	0.01	-0.13	-6.15e-05	0.0	-5.73e-06
373	83	-3.21e-04	0.03	-0.10	-8.77e-05	0.0	-1.54e-05
373	84	4.11e-04	0.01	-0.14	-5.92e-05	0.0	-3.50e-06
374	3	-4.17e-04	0.04	-0.13	-1.00e-04	0.0	-4.11e-05
374	4	8.79e-04	0.02	-0.19	-1.09e-04	0.0	-2.21e-05
374	8	9.77e-04	8.86e-03	-0.16	-8.67e-05	0.0	-1.26e-05
374	23	15.08	-5.09	-0.14	-7.23e-05	0.0	-9.39e-03
374	32	3.33	11.82	-0.16	-1.51e-04	0.0	5.00e-04
374	34	-5.30	12.58	-0.15	-1.42e-04	0.0	4.96e-03
374	55	6.57	-2.21	-0.13	-7.56e-05	0.0	-4.10e-03
374	64	1.45	5.16	-0.14	-1.10e-04	0.0	2.06e-04
374	66	-2.31	5.49	-0.14	-1.06e-04	0.0	2.15e-03
374	79	-3.32e-04	0.03	-0.10	-7.32e-05	0.0	-3.13e-05
374	80	3.59e-04	0.02	-0.13	-7.81e-05	0.0	-2.12e-05
374	83	-3.24e-04	0.03	-0.10	-7.60e-05	0.0	-3.15e-05
374	84	5.40e-04	0.02	-0.14	-8.21e-05	0.0	-1.89e-05
375	3	-4.67e-04	0.05	-0.13	-7.19e-05	0.0	-5.68e-05
375	4	1.08e-03	0.03	-0.19	-1.01e-04	0.0	-4.55e-05
375	8	1.19e-03	0.02	-0.16	-8.45e-05	0.0	-3.24e-05
375	23	15.09	-5.09	-0.14	-6.31e-05	0.0	-9.40e-03
375	32	3.33	11.83	-0.16	-1.32e-04	0.0	4.88e-04
375	34	-5.30	12.59	-0.15	-1.24e-04	0.0	4.95e-03
375	55	6.57	-2.20	-0.13	-6.54e-05	0.0	-4.12e-03
375	64	1.45	5.17	-0.14	-9.55e-05	0.0	1.91e-04
375	66	-2.31	5.50	-0.14	-9.18e-05	0.0	2.13e-03
375	79	-3.66e-04	0.03	-0.10	-5.20e-05	0.0	-4.35e-05
375	80	4.61e-04	0.02	-0.13	-6.72e-05	0.0	-3.74e-05
375	83	-3.61e-04	0.04	-0.10	-5.45e-05	0.0	-4.37e-05
375	84	6.73e-04	0.02	-0.14	-7.36e-05	0.0	-3.61e-05
376	3	-5.96e-04	0.05	-0.13	-1.94e-05	0.0	-6.04e-05
376	4	1.23e-03	0.03	-0.19	-3.98e-05	0.0	-5.86e-05
376	8	1.37e-03	0.02	-0.16	-3.59e-05	0.0	-4.47e-05
376	23	15.10	-5.08	-0.14	-1.75e-05	0.0	-9.40e-03
376	32	3.34	11.84	-0.16	-9.45e-05	0.0	4.84e-04
376	34	-5.31	12.60	-0.15	-8.50e-05	0.0	4.94e-03
376	55	6.58	-2.20	-0.13	-2.02e-05	0.0	-4.12e-03
376	64	1.45	5.17	-0.14	-5.37e-05	0.0	1.85e-04
376	66	-2.31	5.50	-0.14	-4.96e-05	0.0	2.13e-03
376	79	-4.59e-04	0.04	-0.10	-1.14e-05	0.0	-4.62e-05
376	80	5.13e-04	0.03	-0.13	-2.23e-05	0.0	-4.53e-05
376	83	-4.59e-04	0.04	-0.10	-1.40e-05	0.0	-4.64e-05
376	84	7.57e-04	0.03	-0.14	-2.76e-05	0.0	-4.52e-05
377	3	-8.18e-04	0.05	-0.13	6.82e-05	0.0	-4.33e-05
377	4	1.27e-03	0.03	-0.19	8.50e-05	0.0	-4.57e-05
377	6	1.47e-03	0.01	-0.16	7.61e-05	0.0	-3.55e-05
377	23	15.10	-5.08	-0.14	7.86e-05	0.0	-9.39e-03
377	32	3.34	11.85	-0.16	-4.12e-05	0.0	4.98e-04
377	34	-5.31	12.60	-0.15	-2.98e-05	0.0	4.95e-03
377	55	6.58	-2.20	-0.13	7.16e-05	0.0	-4.11e-03
377	64	1.46	5.18	-0.14	1.94e-05	0.0	1.98e-04
377	66	-2.31	5.51	-0.14	2.44e-05	0.0	2.14e-03
377	79	-6.22e-04	0.04	-0.10	5.73e-05	0.0	-3.32e-05
377	80	4.92e-04	0.03	-0.13	6.62e-05	0.0	-3.44e-05
377	82	7.73e-04	0.02	-0.14	7.00e-05	0.0	-3.47e-05
377	83	-6.27e-04	0.04	-0.10	5.36e-05	0.0	-3.33e-05
377	84	7.66e-04	0.03	-0.14	6.48e-05	0.0	-3.49e-05
378	1	-6.37e-04	0.03	-0.13	-1.27e-04	0.0	-6.88e-06
378	3	-6.31e-04	0.04	-0.13	-1.35e-04	0.0	-6.92e-06
378	4	4.15e-04	0.01	-0.19	-8.47e-05	0.0	5.44e-06
378	23	15.07	-4.30	-0.13	-5.43e-05	0.0	-9.37e-03
378	32	3.33	11.77	-0.16	-1.70e-04	0.0	5.22e-04
378	34	-5.30	12.15	-0.15	-1.63e-04	0.0	4.99e-03
378	55	6.57	-1.87	-0.13	-6.45e-05	0.0	-4.08e-03
378	64	1.45	5.13	-0.14	-1.15e-04	0.0	2.28e-04
378	66	-2.31	5.30	-0.14	-1.12e-04	0.0	2.17e-03
378	77	-4.91e-04	0.02	-0.10	-9.76e-05	0.0	-5.29e-06
378	79	-4.89e-04	0.02	-0.10	-9.91e-05	0.0	-5.30e-06
378	80	6.83e-05	0.01	-0.13	-7.23e-05	0.0	1.29e-06
378	81	-4.91e-04	0.02	-0.10	-9.76e-05	0.0	-5.29e-06
378	83	-4.86e-04	0.03	-0.10	-1.03e-04	0.0	-5.32e-06

378	84	2.11e-04	0.01	-0.14	-6.92e-05	0.0	2.92e-06
379	3	-6.42e-04	0.05	-0.13	-1.19e-04	0.0	-2.03e-05
379	4	6.56e-04	0.02	-0.19	-1.32e-04	0.0	-7.85e-06
379	8	8.05e-04	9.52e-03	-0.16	-1.05e-04	0.0	-3.20e-06
379	23	15.08	-4.29	-0.13	-8.12e-05	0.0	-9.38e-03
379	32	3.33	11.78	-0.16	-1.65e-04	0.0	5.14e-04
379	34	-5.30	12.16	-0.15	-1.60e-04	0.0	4.98e-03
379	55	6.57	-1.86	-0.13	-8.87e-05	0.0	-4.09e-03
379	64	1.45	5.14	-0.14	-1.25e-04	0.0	2.19e-04
379	66	-2.31	5.31	-0.14	-1.23e-04	0.0	2.16e-03
379	77	-4.97e-04	0.03	-0.10	-8.64e-05	0.0	-1.54e-05
379	79	-4.96e-04	0.03	-0.10	-8.76e-05	0.0	-1.54e-05
379	80	1.96e-04	0.02	-0.13	-9.46e-05	0.0	-8.82e-06
379	81	-4.97e-04	0.03	-0.10	-8.64e-05	0.0	-1.54e-05
379	83	-4.94e-04	0.03	-0.10	-9.04e-05	0.0	-1.56e-05
379	84	3.71e-04	0.02	-0.14	-9.92e-05	0.0	-7.28e-06
380	3	-6.76e-04	0.05	-0.13	-8.29e-05	0.0	-3.07e-05
380	4	9.04e-04	0.03	-0.19	-1.20e-04	0.0	-2.24e-05
380	8	1.06e-03	0.02	-0.16	-1.02e-04	0.0	-1.54e-05
380	23	15.09	-4.29	-0.13	-6.85e-05	0.0	-9.38e-03
380	32	3.33	11.79	-0.16	-1.43e-04	0.0	5.05e-04
380	34	-5.30	12.17	-0.15	-1.39e-04	0.0	4.96e-03
380	55	6.57	-1.85	-0.13	-7.51e-05	0.0	-4.10e-03
380	64	1.45	5.15	-0.14	-1.08e-04	0.0	2.09e-04
380	66	-2.31	5.32	-0.14	-1.06e-04	0.0	2.15e-03
380	77	-5.20e-04	0.04	-0.10	-5.92e-05	0.0	-2.32e-05
380	79	-5.20e-04	0.04	-0.10	-6.03e-05	0.0	-2.33e-05
380	80	3.23e-04	0.03	-0.13	-8.02e-05	0.0	-1.89e-05
380	83	-5.20e-04	0.04	-0.10	-6.29e-05	0.0	-2.35e-05
380	84	5.33e-04	0.02	-0.14	-8.77e-05	0.0	-1.80e-05
381	3	-7.56e-04	0.06	-0.13	-1.71e-05	0.0	-3.47e-05
381	4	1.11e-03	0.04	-0.19	-4.45e-05	0.0	-3.14e-05
381	6	1.29e-03	0.02	-0.16	-3.53e-05	0.0	-2.27e-05
381	23	15.10	-4.28	-0.13	-1.04e-05	0.0	-9.38e-03
381	32	3.34	11.80	-0.16	-9.71e-05	0.0	4.98e-04
381	34	-5.31	12.18	-0.15	-9.25e-05	0.0	4.95e-03
381	55	6.58	-1.85	-0.13	-1.81e-05	0.0	-4.10e-03
381	64	1.45	5.16	-0.14	-5.59e-05	0.0	2.03e-04
381	66	-2.31	5.32	-0.14	-5.39e-05	0.0	2.14e-03
381	79	-5.77e-04	0.04	-0.10	-9.38e-06	0.0	-2.62e-05
381	80	4.20e-04	0.03	-0.13	-2.40e-05	0.0	-2.45e-05
381	82	6.71e-04	0.03	-0.14	-2.65e-05	0.0	-2.39e-05
381	83	-5.81e-04	0.04	-0.10	-1.22e-05	0.0	-2.66e-05
381	84	6.66e-04	0.03	-0.14	-3.05e-05	0.0	-2.44e-05
382	3	-8.27e-04	0.05	-0.13	9.56e-05	0.0	-2.84e-05
382	4	1.32e-03	0.03	-0.19	1.13e-04	0.0	-2.75e-05
382	6	1.52e-03	0.02	-0.16	9.77e-05	0.0	-1.99e-05
382	23	15.10	-4.29	-0.13	1.08e-04	0.0	-9.37e-03
382	32	3.34	11.80	-0.16	-1.54e-05	0.0	5.00e-04
382	34	-5.31	12.18	-0.15	-9.57e-06	0.0	4.95e-03
382	55	6.58	-1.85	-0.13	9.66e-05	0.0	-4.09e-03
382	64	1.46	5.16	-0.14	4.27e-05	0.0	2.06e-04
382	66	-2.31	5.32	-0.14	4.52e-05	0.0	2.15e-03
382	79	-6.31e-04	0.04	-0.10	7.82e-05	0.0	-2.11e-05
382	80	5.13e-04	0.03	-0.13	8.75e-05	0.0	-2.06e-05
382	82	8.00e-04	0.02	-0.14	9.14e-05	0.0	-2.03e-05
382	83	-6.35e-04	0.04	-0.10	7.47e-05	0.0	-2.16e-05
382	84	7.95e-04	0.03	-0.14	8.64e-05	0.0	-2.11e-05
383	3	-8.03e-04	0.04	-0.13	-1.42e-04	0.0	0.0
383	4	2.03e-04	0.01	-0.19	-8.85e-05	0.0	2.15e-06
383	22	-15.07	3.52	-0.14	-1.04e-04	0.0	9.37e-03
383	32	3.33	11.72	-0.15	-1.70e-04	0.0	5.23e-04
383	34	-5.30	11.72	-0.15	-1.70e-04	0.0	4.99e-03
383	54	-6.57	1.54	-0.13	-8.81e-05	0.0	4.08e-03
383	64	1.45	5.11	-0.14	-1.17e-04	0.0	2.29e-04
383	66	-2.31	5.11	-0.14	-1.17e-04	0.0	2.17e-03
383	79	-6.14e-04	0.02	-0.10	-1.04e-04	0.0	0.0
383	80	-7.73e-05	0.01	-0.13	-7.59e-05	0.0	1.22e-06
383	83	-6.17e-04	0.03	-0.10	-1.08e-04	0.0	0.0
383	84	5.42e-05	9.86e-03	-0.14	-7.24e-05	0.0	1.47e-06
384	3	-8.22e-04	0.05	-0.13	-1.26e-04	0.0	0.0
384	4	4.85e-04	0.02	-0.19	-1.40e-04	0.0	3.33e-06
384	23	15.08	-3.50	-0.12	-8.06e-05	0.0	-9.36e-03
384	32	3.33	11.73	-0.15	-1.69e-04	0.0	5.27e-04
384	55	6.57	-1.51	-0.13	-9.19e-05	0.0	-4.08e-03
384	64	1.45	5.12	-0.14	-1.30e-04	0.0	2.31e-04
384	79	-6.29e-04	0.03	-0.10	-9.31e-05	0.0	0.0

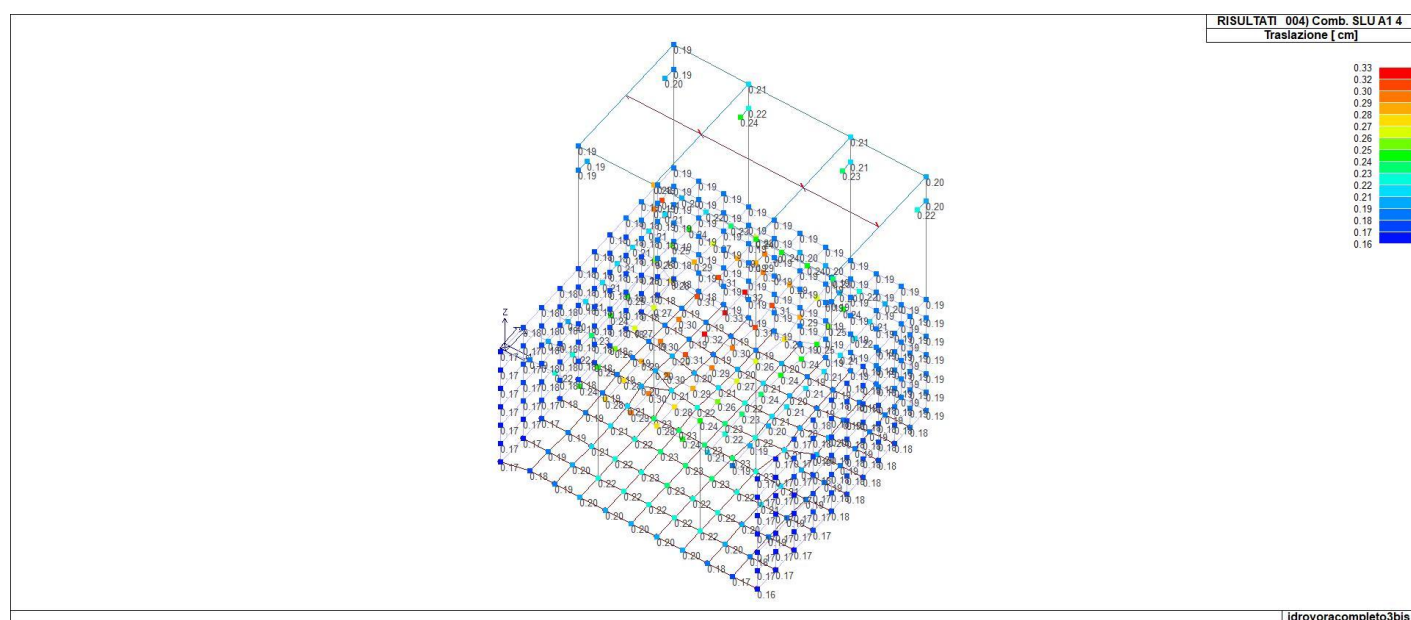
384	80	6.81e-05	0.02	-0.13	-1.01e-04	0.0	1.91e-06
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384	84	2.40e-04	0.02	-0.14	-1.05e-04	0.0	2.28e-06
385	3	-8.41e-04	0.05	-0.13	-8.75e-05	0.0	0.0
385	4	7.72e-04	0.03	-0.19	-1.27e-04	0.0	4.50e-06
385	6	9.71e-04	0.01	-0.15	-1.02e-04	0.0	4.28e-06
385	23	15.09	-3.49	-0.12	-6.65e-05	0.0	-9.36e-03
385	32	3.33	11.75	-0.16	-1.47e-04	0.0	5.30e-04
385	55	6.57	-1.51	-0.13	-7.69e-05	0.0	-4.08e-03
385	64	1.45	5.13	-0.14	-1.12e-04	0.0	2.32e-04
385	79	-6.44e-04	0.04	-0.10	-6.37e-05	0.0	0.0
385	80	2.17e-04	0.03	-0.13	-8.49e-05	0.0	2.60e-06
385	83	-6.46e-04	0.04	-0.10	-6.64e-05	0.0	0.0
385	84	4.30e-04	0.02	-0.14	-9.28e-05	0.0	3.09e-06
386	3	-8.60e-04	0.06	-0.13	-1.70e-05	0.0	1.16e-06
386	4	1.06e-03	0.04	-0.19	-4.66e-05	0.0	5.59e-06
386	6	1.26e-03	0.02	-0.15	-3.71e-05	0.0	5.30e-06
386	23	15.10	-3.49	-0.12	-3.20e-06	0.0	-9.35e-03
386	32	3.34	11.76	-0.16	-9.85e-05	0.0	5.32e-04
386	55	6.58	-1.50	-0.13	-1.55e-05	0.0	-4.07e-03
386	64	1.45	5.14	-0.14	-5.70e-05	0.0	2.34e-04
386	79	-6.58e-04	0.04	-0.10	-9.17e-06	0.0	0.0
386	80	3.67e-04	0.03	-0.13	-2.50e-05	0.0	3.24e-06
386	83	-6.60e-04	0.04	-0.10	-1.21e-05	0.0	0.0
386	84	6.21e-04	0.03	-0.14	-3.19e-05	0.0	3.84e-06
387	3	-8.78e-04	0.06	-0.13	1.06e-04	0.0	1.44e-06
387	4	1.34e-03	0.04	-0.19	1.24e-04	0.0	6.21e-06
387	6	1.55e-03	0.02	-0.16	1.06e-04	0.0	5.86e-06
387	23	15.10	-3.49	-0.12	1.24e-04	0.0	-9.35e-03
387	32	3.34	11.76	-0.16	-1.16e-06	0.0	5.36e-04
387	55	6.58	-1.51	-0.13	1.08e-04	0.0	-4.07e-03
387	64	1.46	5.14	-0.14	5.34e-05	0.0	2.35e-04
387	79	-6.73e-04	0.04	-0.10	8.62e-05	0.0	1.10e-06
387	80	5.12e-04	0.03	-0.13	9.56e-05	0.0	3.64e-06
387	82	8.09e-04	0.02	-0.14	9.94e-05	0.0	4.28e-06
387	83	-6.75e-04	0.04	-0.10	8.28e-05	0.0	1.11e-06
387	84	8.06e-04	0.03	-0.14	9.46e-05	0.0	4.29e-06
388	3	-9.77e-04	0.04	-0.13	-1.34e-04	0.0	7.63e-06
388	4	-1.34e-05	0.01	-0.19	-8.20e-05	0.0	-1.34e-06
388	22	-15.07	2.73	-0.14	-1.08e-04	0.0	9.37e-03
388	38	-3.42	11.74	-0.16	-1.68e-04	0.0	-2.69e-04
388	44	5.21	12.12	-0.15	-1.62e-04	0.0	-4.73e-03
388	54	-6.57	1.19	-0.13	-8.71e-05	0.0	4.09e-03
388	70	-1.49	5.12	-0.14	-1.13e-04	0.0	-1.17e-04
388	76	2.27	5.29	-0.14	-1.10e-04	0.0	-2.06e-03
388	79	-7.40e-04	0.02	-0.10	-9.87e-05	0.0	5.84e-06
388	80	-2.26e-04	0.01	-0.13	-7.07e-05	0.0	1.06e-06
388	83	-7.48e-04	0.03	-0.10	-1.02e-04	0.0	5.86e-06
388	84	-1.06e-04	9.85e-03	-0.14	-6.73e-05	0.0	0.0
389	3	-1.00e-03	0.04	-0.13	-1.18e-04	0.0	2.15e-05
389	4	3.05e-04	0.02	-0.19	-1.29e-04	0.0	1.41e-05
389	22	-15.08	2.74	-0.14	-1.19e-04	0.0	9.38e-03
389	38	-3.42	11.76	-0.16	-1.62e-04	0.0	-2.59e-04
389	44	5.21	12.14	-0.15	-1.59e-04	0.0	-4.72e-03
389	54	-6.57	1.20	-0.14	-1.05e-04	0.0	4.09e-03
389	70	-1.49	5.13	-0.14	-1.23e-04	0.0	-1.06e-04
389	76	2.27	5.30	-0.14	-1.22e-04	0.0	-2.05e-03
389	79	-7.62e-04	0.03	-0.10	-8.71e-05	0.0	1.64e-05
389	80	-6.42e-05	0.02	-0.13	-9.31e-05	0.0	1.25e-05
389	83	-7.69e-04	0.03	-0.10	-9.00e-05	0.0	1.65e-05
389	84	1.03e-04	0.02	-0.14	-9.74e-05	0.0	1.16e-05
390	3	-1.01e-03	0.05	-0.13	-8.23e-05	0.0	3.25e-05
390	4	6.29e-04	0.03	-0.19	-1.18e-04	0.0	3.09e-05
390	23	15.09	-2.70	-0.11	-5.45e-05	0.0	-9.34e-03
390	38	-3.42	11.77	-0.16	-1.41e-04	0.0	-2.48e-04
390	44	5.21	12.15	-0.15	-1.37e-04	0.0	-4.71e-03
390	55	6.57	-1.16	-0.12	-6.81e-05	0.0	4.06e-03
390	70	-1.49	5.14	-0.14	-1.06e-04	0.0	-9.47e-05
390	76	2.27	5.31	-0.14	-1.04e-04	0.0	-2.04e-03
390	79	-7.67e-04	0.04	-0.10	-5.98e-05	0.0	2.47e-05
390	80	1.05e-04	0.02	-0.13	-7.86e-05	0.0	2.39e-05
390	83	-7.72e-04	0.04	-0.10	-6.24e-05	0.0	2.49e-05
390	84	3.18e-04	0.02	-0.14	-8.59e-05	0.0	2.39e-05
391	3	-9.63e-04	0.06	-0.13	-1.64e-05	0.0	3.70e-05
391	4	9.97e-04	0.04	-0.19	-4.22e-05	0.0	4.21e-05
391	6	1.22e-03	0.02	-0.15	-3.31e-05	0.0	3.28e-05
391	23	15.10	-2.69	-0.11	5.31e-06	0.0	-9.33e-03

391	38	-3.43	11.78	-0.16	-9.52e-05	0.0	-2.40e-04
391	44	5.22	12.16	-0.15	-9.09e-05	0.0	-4.70e-03
391	55	6.58	-1.16	-0.12	-1.05e-05	0.0	-4.05e-03
391	70	-1.49	5.15	-0.14	-5.43e-05	0.0	-8.74e-05
391	76	2.27	5.31	-0.14	-5.24e-05	0.0	-2.03e-03
391	79	-7.39e-04	0.04	-0.10	-8.89e-06	0.0	2.80e-05
391	80	3.07e-04	0.03	-0.13	-2.26e-05	0.0	3.07e-05
391	83	-7.40e-04	0.04	-0.10	-1.17e-05	0.0	2.83e-05
391	84	5.67e-04	0.03	-0.14	-2.89e-05	0.0	3.17e-05
392	3	-9.30e-04	0.05	-0.14	9.62e-05	0.0	3.12e-05
392	4	1.35e-03	0.03	-0.19	1.14e-04	0.0	4.01e-05
392	6	1.57e-03	0.02	-0.16	9.83e-05	0.0	3.18e-05
392	23	15.10	-2.70	-0.11	1.26e-04	0.0	-9.32e-03
392	38	-3.43	11.78	-0.16	-1.47e-05	0.0	-2.41e-04
392	44	5.22	12.16	-0.15	-9.16e-06	0.0	-4.69e-03
392	55	6.58	-1.16	-0.12	1.05e-04	0.0	-4.05e-03
392	70	-1.49	5.15	-0.14	4.33e-05	0.0	-8.92e-05
392	76	2.27	5.31	-0.14	4.57e-05	0.0	-2.03e-03
392	79	-7.15e-04	0.04	-0.10	7.87e-05	0.0	2.33e-05
392	80	5.04e-04	0.03	-0.13	8.81e-05	0.0	2.80e-05
392	82	8.08e-04	0.02	-0.14	9.19e-05	0.0	2.89e-05
392	83	-7.15e-04	0.04	-0.10	7.52e-05	0.0	2.38e-05
392	84	8.07e-04	0.03	-0.14	8.69e-05	0.0	2.98e-05
393	3	-1.20e-03	0.03	-0.13	-1.14e-04	0.0	2.09e-05
393	4	-2.98e-04	0.01	-0.19	-6.76e-05	0.0	5.86e-06
393	22	-15.07	1.93	-0.15	-1.04e-04	0.0	9.39e-03
393	38	-3.42	11.77	-0.16	-1.57e-04	0.0	-2.60e-04
393	44	5.21	12.53	-0.15	-1.45e-04	0.0	-4.73e-03
393	54	-6.57	0.85	-0.14	-7.85e-05	0.0	4.09e-03
393	70	-1.49	5.13	-0.14	-1.02e-04	0.0	-1.09e-04
393	76	2.27	5.46	-0.14	-9.64e-05	0.0	-2.06e-03
393	79	-8.99e-04	0.02	-0.10	-8.34e-05	0.0	1.59e-05
393	80	-4.20e-04	0.01	-0.13	-5.85e-05	0.0	7.85e-06
393	83	-9.14e-04	0.03	-0.10	-8.69e-05	0.0	1.60e-05
393	84	-3.16e-04	9.67e-03	-0.14	-5.57e-05	0.0	6.00e-06
394	3	-1.23e-03	0.04	-0.13	-9.88e-05	0.0	4.24e-05
394	4	6.14e-05	0.02	-0.19	-1.04e-04	0.0	2.74e-05
394	22	-15.08	1.94	-0.15	-1.09e-04	0.0	9.40e-03
394	38	-3.42	11.78	-0.16	-1.47e-04	0.0	-2.46e-04
394	44	5.21	12.54	-0.15	-1.38e-04	0.0	-4.71e-03
394	54	-6.57	0.85	-0.14	-9.00e-05	0.0	4.11e-03
394	70	-1.49	5.14	-0.14	-1.06e-04	0.0	-9.32e-05
394	76	2.27	5.47	-0.14	-1.03e-04	0.0	-2.04e-03
394	79	-9.27e-04	0.03	-0.10	-7.23e-05	0.0	3.24e-05
394	80	-2.39e-04	0.02	-0.13	-7.52e-05	0.0	2.44e-05
394	83	-9.40e-04	0.03	-0.10	-7.51e-05	0.0	3.26e-05
394	84	-8.06e-05	0.01	-0.14	-7.87e-05	0.0	2.26e-05
395	3	-1.22e-03	0.05	-0.13	-7.07e-05	0.0	5.87e-05
395	4	4.19e-04	0.03	-0.19	-9.57e-05	0.0	5.26e-05
395	22	-15.09	1.95	-0.15	-9.55e-05	0.0	9.41e-03
395	38	-3.42	11.79	-0.16	-1.28e-04	0.0	-2.32e-04
395	44	5.21	12.55	-0.15	-1.20e-04	0.0	-4.69e-03
395	54	-6.57	0.86	-0.14	-7.79e-05	0.0	4.12e-03
395	70	-1.49	5.15	-0.14	-9.23e-05	0.0	-7.77e-05
395	76	2.27	5.48	-0.14	-8.87e-05	0.0	-2.02e-03
395	79	-9.21e-04	0.03	-0.10	-5.10e-05	0.0	4.49e-05
395	80	-4.96e-05	0.02	-0.13	-6.44e-05	0.0	4.16e-05
395	83	-9.31e-04	0.04	-0.10	-5.35e-05	0.0	4.51e-05
395	84	1.58e-04	0.02	-0.14	-7.02e-05	0.0	4.10e-05
396	3	-1.12e-03	0.05	-0.13	-1.81e-05	0.0	6.27e-05
396	4	8.51e-04	0.03	-0.19	-3.50e-05	0.0	6.74e-05
396	23	15.10	-1.90	-0.11	1.50e-05	0.0	-9.31e-03
396	38	-3.43	11.80	-0.16	-9.08e-05	0.0	-2.27e-04
396	44	5.22	12.55	-0.15	-8.17e-05	0.0	-4.68e-03
396	55	6.58	-0.81	-0.12	-4.43e-06	0.0	-4.03e-03
396	70	-1.49	5.15	-0.14	-5.06e-05	0.0	-7.06e-05
396	76	2.27	5.48	-0.14	-4.66e-05	0.0	-2.01e-03
396	79	-8.57e-04	0.04	-0.10	-1.05e-05	0.0	4.80e-05
396	80	1.96e-04	0.03	-0.13	-1.95e-05	0.0	5.05e-05
396	83	-8.62e-04	0.04	-0.10	-1.31e-05	0.0	4.82e-05
396	84	4.54e-04	0.02	-0.14	-2.44e-05	0.0	5.13e-05
397	3	-9.39e-04	0.05	-0.13	6.94e-05	0.0	4.62e-05
397	4	1.40e-03	0.03	-0.19	8.72e-05	0.0	5.63e-05
397	8	1.62e-03	0.02	-0.16	7.04e-05	0.0	4.56e-05
397	23	15.10	-1.91	-0.11	1.14e-04	0.0	-9.31e-03
397	38	-3.43	11.80	-0.16	-3.93e-05	0.0	-2.40e-04
397	44	5.22	12.56	-0.15	-2.82e-05	0.0	-4.69e-03

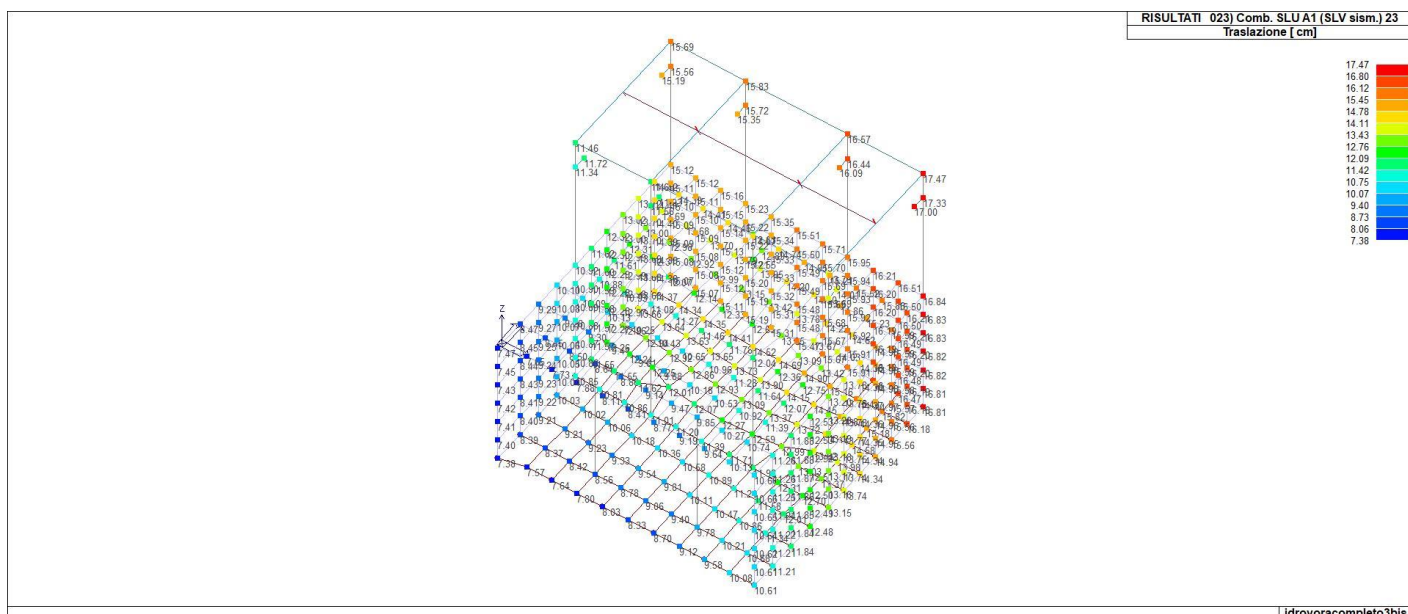
397	55	6.58	-0.82	-0.12	8.81e-05	0.0	-4.03e-03
397	70	-1.49	5.16	-0.14	2.11e-05	0.0	-8.17e-05
397	76	2.27	5.49	-0.14	2.59e-05	0.0	-2.02e-03
397	77	-7.24e-04	0.03	-0.10	5.98e-05	0.0	3.53e-05
397	79	-7.24e-04	0.04	-0.10	5.82e-05	0.0	3.54e-05
397	80	5.24e-04	0.02	-0.13	6.77e-05	0.0	4.07e-05
397	83	-7.23e-04	0.04	-0.10	5.46e-05	0.0	3.55e-05
397	84	8.36e-04	0.02	-0.14	6.65e-05	0.0	4.22e-05
398	3	-1.40e-03	0.03	-0.13	-8.68e-05	0.0	3.15e-05
398	4	-5.46e-04	9.43e-03	-0.19	-5.03e-05	0.0	1.23e-05
398	22	-15.07	1.15	-0.16	-9.54e-05	0.0	9.40e-03
398	38	-3.42	11.79	-0.16	-1.43e-04	0.0	-2.51e-04
398	44	5.21	12.92	-0.15	-1.26e-04	0.0	-4.72e-03
398	54	-6.57	0.51	-0.14	-6.58e-05	0.0	4.10e-03
398	70	-1.49	5.14	-0.14	-8.63e-05	0.0	-1.02e-04
398	76	2.27	5.64	-0.14	-7.91e-05	0.0	-2.05e-03
398	79	-1.05e-03	0.02	-0.10	-6.23e-05	0.0	2.38e-05
398	80	-5.93e-04	0.01	-0.13	-4.28e-05	0.0	1.36e-05
398	83	-1.07e-03	0.02	-0.10	-6.57e-05	0.0	2.41e-05
398	84	-5.01e-04	8.93e-03	-0.14	-4.13e-05	0.0	1.13e-05
399	3	-1.46e-03	0.04	-0.13	-7.49e-05	0.0	5.55e-05
399	4	-1.78e-04	0.01	-0.19	-7.38e-05	0.0	3.54e-05
399	22	-15.08	1.15	-0.16	-9.62e-05	0.0	9.41e-03
399	38	-3.42	11.80	-0.16	-1.31e-04	0.0	-2.37e-04
399	44	5.21	12.93	-0.15	-1.16e-04	0.0	-4.70e-03
399	54	-6.57	0.51	-0.14	-7.20e-05	0.0	4.12e-03
399	70	-1.49	5.15	-0.14	-8.69e-05	0.0	-8.53e-05
399	76	2.27	5.64	-0.14	-8.08e-05	0.0	-2.03e-03
399	79	-1.09e-03	0.03	-0.10	-5.39e-05	0.0	4.24e-05
399	80	-4.12e-04	0.01	-0.13	-5.33e-05	0.0	3.16e-05
399	83	-1.12e-03	0.03	-0.10	-5.67e-05	0.0	4.26e-05
399	84	-2.62e-04	0.01	-0.14	-5.60e-05	0.0	2.92e-05
400	3	-1.44e-03	0.04	-0.13	-5.76e-05	0.0	7.33e-05
400	4	1.89e-04	0.02	-0.19	-6.86e-05	0.0	6.44e-05
400	22	-15.09	1.16	-0.16	-8.78e-05	0.0	9.42e-03
400	38	-3.42	11.81	-0.16	-1.19e-04	0.0	-2.25e-04
400	44	5.21	12.94	-0.15	-1.05e-04	0.0	-4.69e-03
400	54	-6.57	0.52	-0.14	-6.46e-05	0.0	4.13e-03
400	70	-1.49	5.15	-0.14	-7.81e-05	0.0	-6.90e-05
400	76	2.27	5.65	-0.14	-7.22e-05	0.0	-2.01e-03
400	79	-1.08e-03	0.03	-0.10	-4.08e-05	0.0	5.63e-05
400	80	-2.17e-04	0.02	-0.13	-4.66e-05	0.0	5.15e-05
400	83	-1.10e-03	0.03	-0.10	-4.34e-05	0.0	5.63e-05
400	84	-1.63e-05	0.02	-0.14	-5.08e-05	0.0	5.04e-05
401	3	-1.30e-03	0.05	-0.13	-2.59e-05	0.0	7.67e-05
401	4	6.68e-04	0.02	-0.19	-3.12e-05	0.0	8.15e-05
401	23	15.10	-1.13	-0.10	2.59e-05	0.0	-9.29e-03
401	38	-3.43	11.82	-0.16	-9.95e-05	0.0	-2.25e-04
401	44	5.22	12.94	-0.15	-8.48e-05	0.0	-4.68e-03
401	55	6.58	-0.48	-0.11	0.0	0.0	-4.01e-03
401	70	-1.49	5.16	-0.14	-5.41e-05	0.0	-6.31e-05
401	76	2.27	5.65	-0.14	-4.76e-05	0.0	-2.00e-03
401	79	-9.87e-04	0.03	-0.10	-1.61e-05	0.0	5.93e-05
401	80	6.21e-05	0.02	-0.13	-1.89e-05	0.0	6.18e-05
401	83	-9.96e-04	0.03	-0.10	-1.90e-05	0.0	5.91e-05
401	84	3.15e-04	0.02	-0.14	-2.25e-05	0.0	6.23e-05
402	3	-9.54e-04	0.05	-0.13	3.16e-05	0.0	5.57e-05
402	4	1.43e-03	0.02	-0.19	4.99e-05	0.0	6.73e-05
402	8	1.65e-03	0.01	-0.16	4.17e-05	0.0	5.43e-05
402	23	15.10	-1.13	-0.10	9.40e-05	0.0	-9.30e-03
402	38	-3.43	11.82	-0.16	-6.90e-05	0.0	-2.45e-04
402	44	5.22	12.95	-0.15	-5.20e-05	0.0	-4.70e-03
402	55	6.58	-0.48	-0.12	6.29e-05	0.0	-4.02e-03
402	70	-1.49	5.16	-0.14	-8.09e-06	0.0	-7.89e-05
402	76	2.27	5.65	-0.14	0.0	0.0	-2.02e-03
402	77	-7.39e-04	0.03	-0.10	3.07e-05	0.0	4.36e-05
402	79	-7.38e-04	0.03	-0.10	2.92e-05	0.0	4.34e-05
402	80	5.35e-04	0.02	-0.13	3.89e-05	0.0	4.96e-05
402	83	-7.35e-04	0.03	-0.10	2.55e-05	0.0	4.30e-05
402	84	8.57e-04	0.02	-0.14	3.77e-05	0.0	5.07e-05
403	3	-1.55e-03	0.03	-0.13	-5.79e-05	0.0	2.86e-05
403	4	-6.60e-04	8.61e-03	-0.19	-3.27e-05	0.0	7.47e-06
403	18	-13.72	1.64	-0.17	-8.94e-05	0.0	5.61e-03
403	22	-15.07	0.36	-0.17	-8.47e-05	0.0	9.39e-03
403	44	5.21	13.31	-0.14	-1.06e-04	0.0	-4.72e-03
403	50	-5.98	0.72	-0.14	-5.41e-05	0.0	2.45e-03
403	54	-6.57	0.16	-0.14	-5.20e-05	0.0	4.10e-03

403	76	2.27	5.81	-0.13	-6.11e-05	0.0	-2.05e-03
403	79	-1.15e-03	0.02	-0.10	-4.02e-05	0.0	2.16e-05
403	80	-6.80e-04	9.00e-03	-0.13	-2.67e-05	0.0	1.03e-05
403	83	-1.18e-03	0.02	-0.10	-4.34e-05	0.0	2.19e-05
403	84	-5.90e-04	8.12e-03	-0.14	-2.67e-05	0.0	7.81e-06
404	3	-1.65e-03	0.03	-0.13	-5.14e-05	0.0	4.93e-05
404	4	-3.49e-04	0.01	-0.19	-4.18e-05	0.0	2.94e-05
404	18	-13.73	1.65	-0.17	-8.76e-05	0.0	5.62e-03
404	22	-15.08	0.37	-0.17	-8.41e-05	0.0	9.40e-03
404	44	5.21	13.32	-0.14	-9.64e-05	0.0	-4.71e-03
404	50	-5.98	0.72	-0.15	-5.54e-05	0.0	2.46e-03
404	54	-6.57	0.17	-0.14	-5.38e-05	0.0	4.11e-03
404	76	2.27	5.81	-0.13	-5.92e-05	0.0	-2.03e-03
404	79	-1.23e-03	0.02	-0.10	-3.56e-05	0.0	3.76e-05
404	80	-5.41e-04	0.01	-0.13	-3.04e-05	0.0	2.70e-05
404	83	-1.26e-03	0.02	-0.10	-3.86e-05	0.0	3.78e-05
404	84	-3.93e-04	0.01	-0.14	-3.22e-05	0.0	2.46e-05
405	3	-1.63e-03	0.04	-0.13	-4.39e-05	0.0	6.49e-05
405	4	-1.22e-05	0.01	-0.19	-3.84e-05	0.0	5.74e-05
405	18	-13.73	1.65	-0.17	-8.34e-05	0.0	5.62e-03
405	22	-15.09	0.38	-0.17	-8.01e-05	0.0	9.41e-03
405	44	5.21	13.33	-0.15	-9.14e-05	0.0	-4.69e-03
405	50	-5.98	0.73	-0.15	-5.16e-05	0.0	2.48e-03
405	54	-6.57	0.17	-0.14	-5.01e-05	0.0	4.13e-03
405	76	2.27	5.81	-0.14	-5.50e-05	0.0	-2.02e-03
405	79	-1.23e-03	0.03	-0.10	-2.99e-05	0.0	4.99e-05
405	80	-3.64e-04	0.01	-0.13	-2.69e-05	0.0	4.59e-05
405	83	-1.25e-03	0.03	-0.10	-3.28e-05	0.0	4.99e-05
405	84	-1.69e-04	0.01	-0.14	-2.92e-05	0.0	4.49e-05
406	3	-1.45e-03	0.04	-0.13	-3.18e-05	0.0	7.03e-05
406	4	4.94e-04	0.02	-0.19	-2.37e-05	0.0	7.66e-05
406	18	-13.74	1.66	-0.17	-7.54e-05	0.0	5.62e-03
406	22	-15.10	0.38	-0.17	-7.17e-05	0.0	9.41e-03
406	44	5.22	13.33	-0.15	-8.55e-05	0.0	-4.68e-03
406	50	-5.99	0.73	-0.15	-4.19e-05	0.0	2.48e-03
406	54	-6.58	0.18	-0.15	-4.03e-05	0.0	4.13e-03
406	76	2.27	5.82	-0.14	-4.63e-05	0.0	-2.01e-03
406	79	-1.10e-03	0.03	-0.10	-2.03e-05	0.0	5.44e-05
406	80	-6.44e-05	0.02	-0.13	-1.60e-05	0.0	5.77e-05
406	83	-1.11e-03	0.03	-0.10	-2.34e-05	0.0	5.42e-05
406	84	1.84e-04	0.01	-0.14	-1.81e-05	0.0	5.83e-05
407	3	-1.04e-03	0.04	-0.13	-7.60e-06	0.0	5.60e-05
407	4	1.33e-03	0.02	-0.19	1.11e-05	0.0	6.92e-05
407	8	1.57e-03	8.96e-03	-0.16	1.20e-05	0.0	5.63e-05
407	18	-13.75	1.66	-0.17	-5.93e-05	0.0	5.61e-03
407	23	15.10	-0.36	-0.09	7.22e-05	0.0	-9.30e-03
407	44	5.22	13.34	-0.15	-7.33e-05	0.0	-4.69e-03
407	50	-5.99	0.73	-0.15	-2.08e-05	0.0	2.47e-03
407	55	6.58	-0.15	-0.11	3.65e-05	0.0	-4.02e-03
407	76	2.27	5.82	-0.14	-2.70e-05	0.0	-2.01e-03
407	77	-8.10e-04	0.03	-0.10	0.0	0.0	4.34e-05
407	79	-8.08e-04	0.03	-0.10	-1.13e-06	0.0	4.34e-05
407	80	4.55e-04	0.02	-0.13	8.84e-06	0.0	5.04e-05
407	81	-8.10e-04	0.03	-0.10	0.0	0.0	4.34e-05
407	83	-8.03e-04	0.03	-0.10	-4.68e-06	0.0	4.31e-05
407	84	7.76e-04	0.02	-0.14	7.80e-06	0.0	5.20e-05
408	3	-3.44e-03	0.07	-0.14	1.77e-04	8.74e-06	1.64e-06
408	4	5.54e-03	0.02	-0.19	2.29e-04	2.94e-05	-1.35e-05
408	6	6.56e-03	-7.73e-03	-0.15	1.66e-04	2.63e-05	-1.38e-05
408	18	-14.17	1.44	-0.19	-4.06e-04	-1.26e-03	5.42e-03
408	23	15.56	0.27	-0.08	5.09e-04	1.39e-03	-9.39e-03
408	44	5.38	14.37	-0.15	-1.35e-03	4.88e-04	-4.84e-03
408	50	-6.17	0.64	-0.15	-9.31e-05	-5.38e-04	2.36e-03
408	55	6.78	0.13	-0.11	3.05e-04	6.17e-04	-4.10e-03
408	76	2.34	6.27	-0.14	-5.03e-04	2.22e-04	-2.11e-03
408	79	-2.48e-03	0.04	-0.10	1.20e-04	5.91e-06	1.34e-06
408	80	2.31e-03	0.02	-0.13	1.48e-04	1.69e-05	-6.75e-06
408	82	3.56e-03	8.65e-03	-0.14	1.50e-04	1.94e-05	-8.75e-06
408	83	-2.60e-03	0.05	-0.11	1.32e-04	6.52e-06	1.28e-06
408	84	3.38e-03	0.02	-0.14	1.67e-04	2.03e-05	-8.84e-06
409	3	-1.44e-03	5.05e-03	-0.12	-1.52e-04	-1.89e-05	2.65e-06
409	4	-1.43e-04	-0.04	-0.19	-1.01e-04	-3.32e-05	-1.20e-05
409	6	4.47e-04	-0.05	-0.16	-3.36e-05	-2.94e-05	-1.27e-05
409	13	-11.75	-5.96	-0.15	2.02e-04	-1.39e-03	5.34e-03
409	25	-11.35	-7.63	-0.15	3.96e-04	-1.27e-03	9.30e-03
409	41	-3.20	-14.37	-0.14	1.44e-03	-3.37e-04	4.82e-03
409	45	-5.12	-2.61	-0.14	5.00e-05	-6.18e-04	2.32e-03

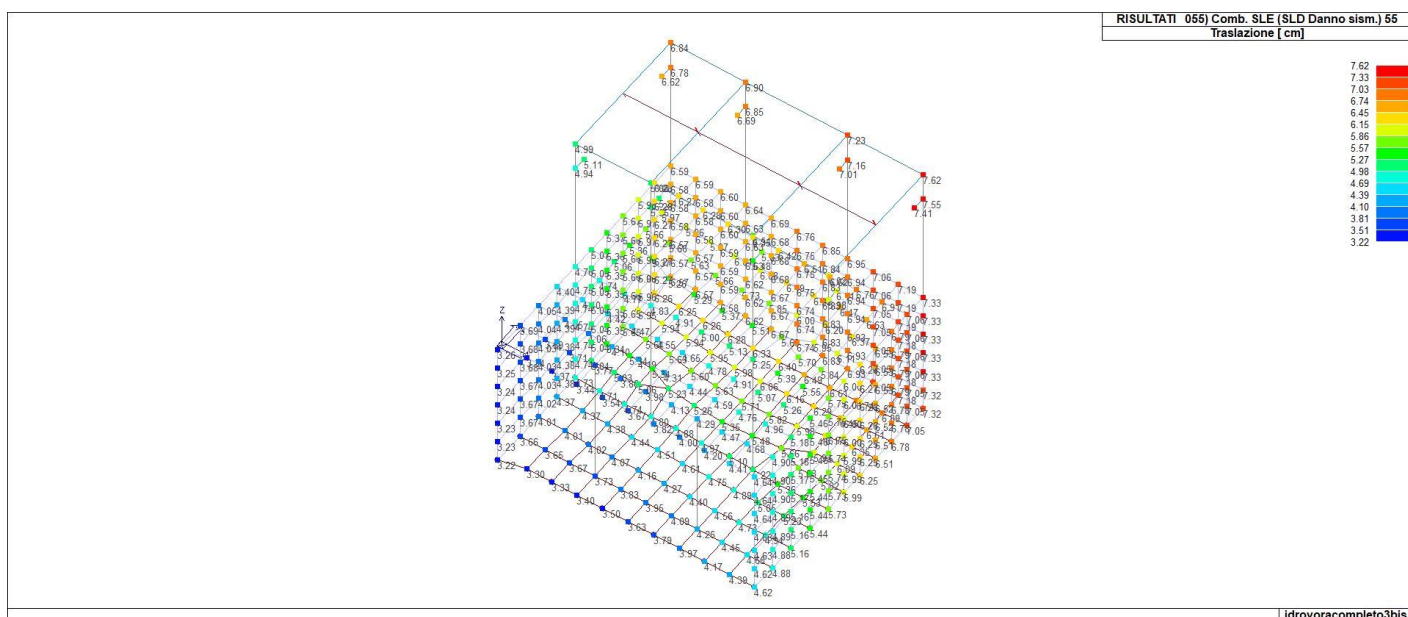
409	57	-4.94	-3.34	-0.14	1.35e-04	-5.67e-04	4.05e-03
409	73	-1.39	-6.27	-0.13	5.88e-04	-1.59e-04	2.10e-03
409	78	-1.76e-04	-0.02	-0.13	-5.96e-05	-2.27e-05	-5.87e-06
409	79	-9.24e-04	2.05e-03	-0.09	-9.40e-05	-1.49e-05	1.96e-06
409	80	-2.34e-04	-0.02	-0.13	-6.70e-05	-2.26e-05	-5.84e-06
409	82	-3.73e-06	-0.03	-0.13	-5.29e-05	-2.46e-05	-7.82e-06
409	83	-1.06e-03	3.43e-03	-0.09	-1.11e-04	-1.46e-05	2.02e-06
409	84	-1.98e-04	-0.03	-0.14	-7.75e-05	-2.42e-05	-7.73e-06
410	3	9.03e-04	0.07	-0.14	1.76e-04	-1.10e-05	2.75e-06
410	4	0.01	0.02	-0.20	4.55e-04	8.98e-06	-1.22e-05
410	16	14.15	1.47	-0.19	-2.78e-04	1.25e-03	-5.30e-03
410	23	15.57	-7.62	-0.17	7.25e-04	1.36e-03	-9.33e-03
410	34	-5.46	14.48	-0.15	-1.20e-03	-4.66e-04	5.07e-03
410	48	6.17	0.65	-0.16	3.02e-05	5.48e-04	-2.31e-03
410	55	6.79	-3.31	-0.15	4.67e-04	5.92e-04	-4.07e-03
410	66	-2.38	6.32	-0.14	-3.72e-04	-2.01e-04	2.20e-03
410	79	5.37e-04	0.04	-0.10	1.20e-04	-7.64e-06	2.00e-06
410	80	5.62e-03	0.02	-0.13	2.68e-04	3.02e-06	-5.98e-06
410	83	6.55e-04	0.05	-0.11	1.31e-04	-8.26e-06	2.09e-06
410	84	7.01e-03	0.02	-0.15	3.18e-04	5.06e-06	-7.88e-06
411	4	3.93e-03	-0.06	-0.19	-6.38e-05	2.02e-05	-1.34e-05
411	6	3.44e-03	-0.06	-0.15	4.33e-06	1.67e-05	-1.37e-05
411	16	11.75	1.42	-0.15	-6.14e-04	1.38e-03	-5.36e-03
411	23	11.34	-7.67	-0.15	4.20e-04	1.26e-03	-9.40e-03
411	35	3.18	-14.49	-0.14	1.47e-03	3.21e-04	-5.10e-03
411	48	5.12	0.60	-0.13	-2.94e-04	6.09e-04	-2.34e-03
411	55	4.94	-3.36	-0.14	1.57e-04	5.57e-04	-4.10e-03
411	67	1.38	-6.33	-0.13	6.14e-04	1.48e-04	-2.23e-03
411	78	2.07e-03	-0.03	-0.12	-3.97e-05	1.55e-05	-6.65e-06
411	80	2.13e-03	-0.03	-0.13	-4.71e-05	1.53e-05	-6.66e-06
411	82	2.47e-03	-0.04	-0.13	-2.78e-05	1.58e-05	-8.67e-06
411	84	2.67e-03	-0.04	-0.14	-5.25e-05	1.54e-05	-8.72e-06
Nodo		Traslazione X	Traslazione Y	Traslazione Z	Rotazione X	Rotazione Y	Rotazione Z
		-15.16	-14.58	-0.33	-1.64e-03	-1.39e-03	-9.42e-03
		15.69	14.48	-0.07	1.70e-03	1.39e-03	9.42e-03



41_RIS_SPOSTAMENTI_004_Comb. SLU A1 4

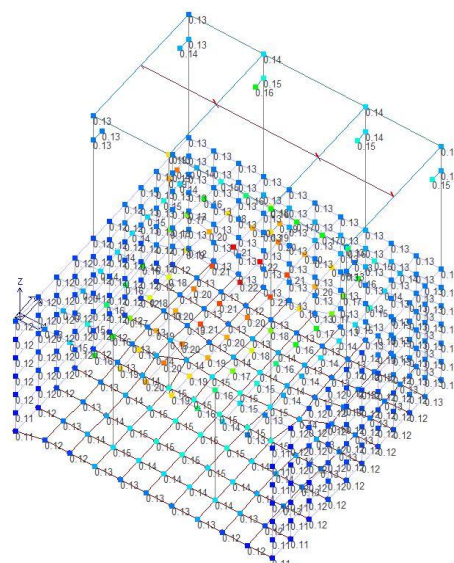


41_RIS_SPOSTAMENTI_023_Comb. SLU A1 (SLV sism.) 23



41_RIS_SPOSTAMENTI_055_Comb. SLE (SLD Danno sism.) 55

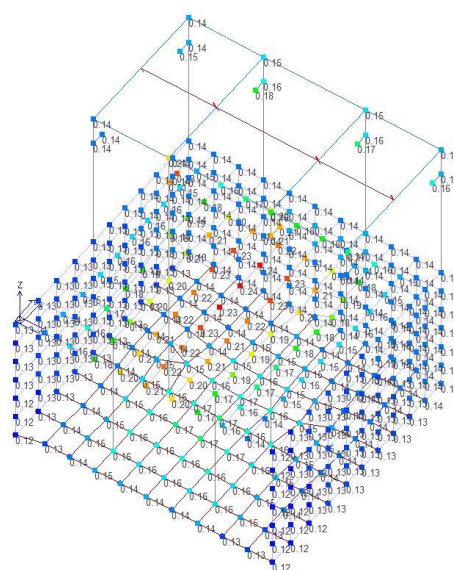
RISULTATI 080) Comb. SLE(pern.) 80
Traslazione [cm]



idrovoracompleto3bis

41_RIS_SPOSTAMENTI_080_Comb. SLE(pern.) 80

RISULTATI 084) Comb. SLE(rara) 84
Traslazione [cm]



idrovoracompleto3bis

41_RIS_SPOSTAMENTI_084_Comb. SLE(rara) 84

Nodo	Cmb	Azione X daN	Azione Y daN	Azione Z daN	Azione RX daN cm	Azione RY daN cm	Azione RZ daN cm
23	3	-0.14	0.63	-8182.80	344.12	94.02	0.69
23	4	-1.01	0.38	-1.432e+04	231.47	676.50	2.43
23	5	-0.09	0.47	-6078.61	261.34	61.11	0.51
23	13	-210.95	-83.47	-9591.81	-4.169e+04	1.055e+05	8682.16
23	41	-58.25	-234.73	-9807.16	-1.172e+05	2.917e+04	7448.42
23	44	57.13	235.40	-9022.25	1.176e+05	-2.842e+04	-7445.53
23	45	-92.23	-36.18	-9491.88	-1.805e+04	4.616e+04	3783.88
23	73	-25.70	-102.09	-9585.71	-5.096e+04	1.292e+04	3246.31
23	76	24.57	102.76	-9243.70	5.136e+04	-1.217e+04	-3243.42
23	77	-0.10	0.47	-6094.83	261.59	61.95	0.51
23	79	-0.10	0.47	-6143.49	262.35	64.48	0.51
23	80	-0.56	0.34	-9414.71	202.27	375.14	1.45
23	81	-0.10	0.47	-6094.83	261.59	61.95	0.51

23	83	-0.11	0.48	-6257.03	264.13	70.38	0.52
23	84	-0.69	0.32	-1.035e+04	189.02	458.70	1.69
26	3	0.14	0.62	-8148.91	337.97	-97.41	-0.30
26	4	1.05	0.35	-1.415e+04	211.75	-697.58	0.21
26	5	0.09	0.46	-6052.79	256.66	-63.70	-0.21
26	16	211.02	48.43	-9282.42	2.418e+04	-1.055e+05	-8680.10
26	34	-56.67	236.18	-8915.77	1.180e+05	2.819e+04	7840.59
26	35	57.83	-235.54	-9718.48	-1.176e+05	-2.897e+04	-7840.49
26	48	92.28	21.28	-9302.00	1.065e+04	-4.619e+04	-3782.14
26	66	-24.37	103.09	-9142.25	5.153e+04	1.207e+04	3416.40
26	67	25.53	-102.45	-9492.01	-5.114e+04	-1.284e+04	-3416.30
26	77	0.09	0.46	-6068.99	256.91	-64.54	-0.21
26	79	0.10	0.47	-6117.60	257.66	-67.07	-0.22
26	80	0.58	0.32	-9317.13	190.34	-387.17	0.05
26	81	0.09	0.46	-6068.99	256.91	-64.54	-0.21
26	83	0.11	0.48	-6231.00	259.41	-72.98	-0.23
26	84	0.71	0.30	-1.023e+04	175.26	-473.10	0.11
141	1	-0.19	0.21	-7056.09	72.81	125.63	3.60
141	4	-1.60	0.04	-1.109e+04	7.44	1065.52	4.95
141	5	-0.14	0.16	-5410.00	56.83	94.26	2.75
141	13	-210.32	-109.78	-9000.26	-5.489e+04	1.050e+05	8669.28
141	25	-203.80	-139.64	-9015.82	-6.980e+04	1.018e+05	1.460e+04
141	28	202.03	139.78	-6022.39	6.985e+04	-1.006e+05	-1.460e+04
141	44	56.54	256.95	-6569.14	1.283e+05	-2.803e+04	-7428.74
141	45	-92.14	-47.80	-8164.49	-2.390e+04	4.610e+04	3779.39
141	57	-89.30	-60.80	-8171.26	-3.040e+04	4.468e+04	6365.73
141	60	87.53	60.94	-6866.94	3.045e+04	-4.350e+04	-6358.88
141	76	24.14	112.00	-7105.18	5.590e+04	-1.188e+04	-3234.98
141	77	-0.15	0.16	-5420.04	56.37	95.60	2.76
141	80	-0.89	0.07	-7519.10	23.85	590.16	3.43
141	81	-0.15	0.16	-5420.04	56.37	95.60	2.76
141	84	-1.08	0.05	-8106.63	12.79	722.20	3.66
142	2	-0.33	0.15	-1.114e+04	91.30	214.49	10.68
142	4	-0.33	0.15	-1.148e+04	80.07	218.26	11.27
142	5	-0.07	0.11	-5981.36	26.04	42.27	5.03
142	18	-256.70	21.33	-1.096e+04	1.056e+04	1.281e+05	8800.70
142	19	256.31	-21.10	-4719.66	-1.045e+04	-1.278e+05	-8786.00
142	22	-282.18	-8.47	-1.083e+04	-4313.07	1.408e+05	1.474e+04
142	44	97.26	256.56	-8819.45	1.280e+05	-4.848e+04	-7444.09
142	50	-111.97	9.36	-9197.84	4632.39	5.587e+04	3838.87
142	51	111.57	-9.13	-6479.67	-4523.19	-5.562e+04	-3824.17
142	54	-123.07	-3.62	-9143.79	-1848.52	6.142e+04	6426.09
142	76	42.27	111.86	-8266.07	5.580e+04	-2.105e+04	-3239.46
142	77	-0.07	0.11	-6004.17	25.29	42.52	5.07
142	78	-0.20	0.12	-7770.33	56.85	127.30	7.23
142	80	-0.20	0.12	-7838.75	54.60	128.05	7.35
142	81	-0.07	0.11	-6004.17	25.29	42.52	5.07
142	82	-0.23	0.12	-8211.87	64.74	148.50	7.77
142	84	-0.23	0.12	-8439.95	57.25	151.01	8.16
143	3	-0.02	-0.77	-8180.13	-588.71	8.85	6.88
143	4	-0.16	0.20	-1.166e+04	109.58	106.98	2.20
143	5	-0.01	-0.56	-5985.57	-424.40	5.50	5.12
143	22	-282.47	35.31	-9388.65	1.750e+04	1.410e+05	1.472e+04
143	38	-64.00	219.74	-9885.58	1.096e+05	3.193e+04	-416.29
143	39	63.82	-219.84	-5977.83	-1.097e+05	-3.181e+04	421.64
143	41	-97.81	-234.37	-6575.87	-1.170e+05	4.884e+04	7435.57
143	54	-123.13	15.35	-8566.54	7590.14	6.146e+04	6415.17
143	70	-27.94	95.71	-8783.07	4.771e+04	1.395e+04	-179.88
143	71	27.76	-95.82	-7080.35	-4.783e+04	-1.383e+04	185.23
143	73	-42.67	-102.15	-7340.93	-5.100e+04	2.131e+04	3241.41
143	77	-0.01	-0.56	-6008.63	-426.53	5.60	5.13
143	79	-0.01	-0.57	-6077.80	-432.95	5.90	5.17
143	80	-0.09	-0.05	-7931.71	-60.53	58.23	2.68
143	81	-0.01	-0.56	-6008.63	-426.53	5.60	5.13
143	83	-0.01	-0.58	-6239.20	-447.92	6.58	5.26
143	84	-0.11	0.06	-8556.59	17.60	72.00	2.14
144	3	-5.39e-03	-0.77	-8176.23	-593.21	2.36	-6.29
144	4	0.10	0.15	-1.173e+04	74.42	-62.62	0.99
144	5	-5.97e-03	-0.57	-5982.45	-427.83	2.97	-4.67
144	8	0.10	0.32	-9885.11	207.70	-63.31	2.42
144	23	282.45	-96.17	-8457.89	-4.809e+04	-1.410e+05	-1.472e+04
144	29	-62.16	-220.67	-6006.93	-1.101e+05	3.099e+04	-812.78
144	32	62.26	220.50	-9936.28	1.099e+05	-3.106e+04	811.09
144	35	99.46	-235.19	-6607.49	-1.174e+05	-4.966e+04	-7826.70
144	55	123.10	-41.95	-8183.49	-2.100e+04	-6.144e+04	-6413.40
144	61	-27.06	-96.20	-7115.54	-4.802e+04	1.349e+04	-354.63
144	64	27.16	96.03	-8827.67	4.786e+04	-1.355e+04	352.94

144	67	43.37	-102.53	-7377.22	-5.120e+04	-2.166e+04	-3410.80
144	77	-5.83e-03	-0.57	-6005.52	-429.97	2.88	-4.69
144	79	-5.42e-03	-0.57	-6074.72	-436.39	2.62	-4.72
144	80	0.05	-0.08	-7971.61	-80.32	-32.04	-0.84
144	81	-5.83e-03	-0.57	-6005.52	-429.97	2.88	-4.69
144	83	-4.46e-03	-0.59	-6236.18	-451.37	2.02	-4.81
144	84	0.06	0.02	-8607.29	-6.29	-41.30	0.04
145	2	0.26	0.08	-1.133e+04	40.83	-167.88	-7.41
145	4	0.26	0.08	-1.168e+04	29.42	-171.47	-8.00
145	5	0.05	0.10	-5972.75	14.11	-33.54	-4.50
145	13	-255.85	-21.73	-4809.58	-1.077e+04	1.276e+05	8669.95
145	16	256.15	21.87	-1.107e+04	1.082e+04	-1.278e+05	-8680.83
145	23	282.09	-139.92	-9935.11	-6.989e+04	-1.407e+05	-1.474e+04
145	34	-98.99	258.48	-8941.28	1.290e+05	4.935e+04	7839.05
145	45	-111.39	-9.43	-6575.98	-4680.13	5.553e+04	3774.68
145	48	111.70	9.57	-9304.01	4728.12	-5.573e+04	-3785.56
145	55	123.00	-60.93	-8809.32	-3.044e+04	-6.138e+04	-6427.43
145	66	-43.05	112.67	-8376.28	5.620e+04	2.145e+04	3412.63
145	77	0.05	0.10	-5995.58	13.35	-33.78	-4.54
145	78	0.15	0.07	-7871.51	26.28	-99.77	-5.33
145	80	0.15	0.07	-7939.99	23.99	-100.49	-5.44
145	81	0.05	0.10	-5995.58	13.35	-33.78	-4.54
145	82	0.18	0.07	-8340.50	29.51	-116.26	-5.52
145	84	0.18	0.07	-8568.77	21.90	-118.66	-5.91
146	4	1.67	-2.05	-1.155e+04	-1389.49	-1115.39	0.0
146	5	0.45	-0.75	-4914.21	-552.61	-301.97	0.0
146	16	175.17	37.94	-6906.37	1.864e+04	-8.768e+04	0.0
146	29	-69.74	-223.13	-9523.30	-1.116e+05	3.474e+04	0.0
146	32	71.78	220.49	-5791.08	1.098e+05	-3.610e+04	0.0
146	35	25.03	-244.58	-9421.99	-1.223e+05	-1.258e+04	0.0
146	48	76.90	15.79	-7330.04	7611.70	-3.859e+04	0.0
146	61	-29.81	-97.97	-8470.31	-4.914e+04	1.475e+04	0.0
146	64	31.85	95.33	-6844.07	4.733e+04	-1.612e+04	0.0
146	67	11.48	-107.31	-8426.16	-5.382e+04	-5867.74	0.0
146	77	0.45	-0.75	-4916.14	-553.88	-303.22	0.0
146	80	1.02	-1.32	-7657.19	-903.91	-680.91	0.0
146	81	0.45	-0.75	-4916.14	-553.88	-303.22	0.0
146	84	1.18	-1.47	-8354.53	-999.33	-783.19	0.0
147	4	1.52	-0.04	-1.100e+04	-46.87	-1011.57	-2.33
147	5	0.14	0.14	-5339.27	43.13	-95.94	-2.47
147	8	1.47	-0.08	-9376.88	-58.69	-979.71	-1.56
147	16	210.34	21.77	-8594.32	1.075e+04	-1.051e+05	-8668.61
147	22	-201.95	140.32	-5962.17	7.011e+04	1.006e+05	1.472e+04
147	23	203.64	-140.28	-8943.22	-7.013e+04	-1.017e+05	-1.472e+04
147	35	57.84	-258.83	-8412.34	-1.292e+05	-2.897e+04	-7826.99
147	48	92.13	9.50	-7950.13	4680.71	-4.609e+04	-3778.26
147	54	-87.52	61.16	-6803.23	3.054e+04	4.351e+04	6411.74
147	55	89.21	-61.11	-8102.16	-3.056e+04	-4.463e+04	-6415.62
147	67	25.68	-112.77	-7870.84	-5.631e+04	-1.294e+04	-3411.54
147	77	0.14	0.14	-5349.27	42.64	-97.28	-2.48
147	80	0.84	0.02	-7452.69	-9.24	-561.92	-1.94
147	81	0.14	0.14	-5349.27	42.64	-97.28	-2.48
147	84	1.03	-5.12e-03	-8041.00	-25.24	-686.46	-1.87
148	4	-1.69	-0.02	-1.100e+04	-35.33	1129.41	3.60
148	5	-0.23	0.12	-5304.69	31.60	154.15	2.21
148	8	-1.62	-0.06	-9395.22	-43.31	1079.82	2.93
148	13	-201.33	-109.83	-8821.12	-5.492e+04	1.006e+05	8667.30
148	25	-188.59	-139.68	-8862.62	-6.983e+04	9.420e+04	1.460e+04
148	28	186.66	139.73	-6049.03	6.982e+04	-9.292e+04	-1.460e+04
148	41	-50.52	-256.87	-8772.80	-1.282e+05	2.532e+04	7434.59
148	45	-88.27	-47.84	-8050.72	-2.394e+04	4.418e+04	3778.06
148	57	-82.72	-60.85	-8068.81	-3.043e+04	4.141e+04	6364.35
148	60	80.79	60.90	-6842.84	3.042e+04	-4.013e+04	-6359.18
148	73	-22.56	-111.91	-8029.67	-5.589e+04	1.139e+04	3240.93
148	77	-0.24	0.12	-5312.32	30.95	155.61	2.21
148	80	-0.96	0.02	-7455.83	-5.75	642.02	2.59
148	81	-0.24	0.12	-5312.32	30.95	155.61	2.21
148	84	-1.16	1.33e-03	-8039.33	-18.99	772.72	2.69
152	4	0.93	1.15	-1.256e+04	741.00	-616.34	0.0
152	5	-0.03	0.53	-5187.90	300.19	15.66	0.0
152	8	0.93	0.98	-1.097e+04	647.59	-620.43	0.0
152	13	-230.48	-46.62	-7740.80	-2.312e+04	1.150e+05	0.0
152	16	231.45	48.13	-8685.26	2.408e+04	-1.156e+05	0.0
152	23	239.35	-96.47	-8527.33	-4.814e+04	-1.196e+05	0.0
152	34	-75.66	237.12	-8353.87	1.185e+05	3.771e+04	0.0
152	45	-100.15	-19.89	-8007.27	-9803.90	4.993e+04	0.0
152	48	101.12	21.40	-8418.79	1.076e+04	-5.057e+04	0.0

152	55	104.56	-41.61	-8349.98	-2.071e+04	-5.230e+04	0.0
152	66	-32.69	103.74	-8274.40	5.192e+04	1.625e+04	0.0
152	77	-0.03	0.53	-5202.96	301.65	15.40	0.0
152	80	0.48	0.76	-8213.03	479.64	-322.53	0.0
152	81	-0.03	0.53	-5202.96	301.65	15.40	0.0
152	84	0.61	0.83	-9059.68	533.25	-408.66	0.0
153	4	0.61	0.92	-1.207e+04	588.09	-407.87	0.0
153	5	-0.07	0.05	-5186.66	-18.48	43.95	0.0
153	6	0.63	0.89	-1.023e+04	599.07	-420.59	0.0
153	8	0.63	0.90	-1.047e+04	594.36	-421.00	0.0
153	23	253.94	-96.13	-8318.49	-4.801e+04	-1.268e+05	0.0
153	29	-63.62	-220.67	-7176.99	-1.101e+05	3.169e+04	0.0
153	32	64.23	221.68	-8703.96	1.107e+05	-3.210e+04	0.0
153	34	-83.74	236.38	-8366.88	1.181e+05	4.178e+04	0.0
153	55	110.82	-41.60	-8105.19	-2.075e+04	-5.539e+04	0.0
153	61	-27.55	-95.87	-7607.80	-4.780e+04	1.369e+04	0.0
153	64	28.16	96.87	-8273.15	4.842e+04	-1.410e+04	0.0
153	66	-36.31	103.28	-8126.27	5.164e+04	1.809e+04	0.0
153	77	-0.07	0.05	-5203.02	-18.79	43.93	0.0
153	78	0.31	0.50	-7891.40	310.57	-203.83	0.0
153	80	0.31	0.50	-7940.48	309.63	-203.91	0.0
153	81	-0.07	0.05	-5203.02	-18.79	43.93	0.0
153	82	0.40	0.61	-8563.49	392.91	-265.77	0.0
153	84	0.40	0.62	-8727.09	389.77	-266.04	0.0
155	4	-1.15	1.19	-1.321e+04	773.56	767.46	0.0
155	5	-0.06	0.84	-5477.34	507.65	41.10	0.0
155	22	-223.74	33.29	-8936.35	1.670e+04	1.118e+05	0.0
155	25	-223.72	-98.38	-8945.52	-4.907e+04	1.118e+05	0.0
155	28	222.46	100.12	-8350.81	5.018e+04	-1.110e+05	0.0
155	44	66.98	237.64	-8539.37	1.188e+05	-3.335e+04	0.0
155	54	-97.85	15.00	-8773.73	7589.70	4.897e+04	0.0
155	57	-97.83	-42.38	-8777.73	-2.107e+04	4.896e+04	0.0
155	60	96.58	44.11	-8518.60	2.218e+04	-4.813e+04	0.0
155	76	28.83	104.04	-8600.76	5.209e+04	-1.429e+04	0.0
155	77	-0.07	0.84	-5492.42	510.10	41.90	0.0
155	80	-0.63	0.87	-8648.17	555.43	417.73	0.0
155	81	-0.07	0.84	-5492.42	510.10	41.90	0.0
155	84	-0.78	0.91	-9531.37	582.08	516.69	0.0
158	4	-0.92	1.23	-1.260e+04	794.39	612.78	0.0
158	5	0.02	0.53	-5201.86	302.79	-16.40	0.0
158	8	-0.93	1.06	-1.100e+04	700.22	617.09	0.0
158	18	-231.68	47.88	-8712.20	2.396e+04	1.158e+05	0.0
158	19	230.72	-46.28	-7756.51	-2.294e+04	-1.151e+05	0.0
158	22	-239.45	35.37	-8707.42	1.771e+04	1.196e+05	0.0
158	44	75.22	236.38	-8377.76	1.182e+05	-3.750e+04	0.0
158	50	-101.22	21.31	-8442.56	1.073e+04	5.062e+04	0.0
158	51	100.26	-19.72	-8026.14	-9710.62	-4.998e+04	0.0
158	54	-104.61	15.86	-8440.48	8005.80	5.231e+04	0.0
158	76	32.51	103.45	-8296.84	5.178e+04	-1.616e+04	0.0
158	77	0.02	0.53	-5216.93	304.24	-16.14	0.0
158	80	-0.48	0.80	-8234.35	508.96	320.41	0.0
158	81	0.02	0.53	-5216.93	304.24	-16.14	0.0
158	84	-0.61	0.89	-9082.91	569.19	406.19	0.0
159	1	-0.03	0.22	-7171.67	81.64	19.84	3.90
159	4	-1.44	0.06	-1.115e+04	20.51	958.48	6.60
159	5	-0.02	0.17	-5495.29	63.42	13.69	2.96
159	13	-217.95	-109.77	-9148.98	-5.488e+04	1.088e+05	8670.66
159	16	216.42	109.94	-5987.14	5.495e+04	-1.078e+05	-8662.00
159	18	-217.95	21.24	-9039.64	1.050e+04	1.088e+05	8789.30
159	44	63.40	256.95	-6933.73	1.283e+05	-3.149e+04	-7428.06
159	45	-95.40	-47.78	-8256.92	-2.390e+04	4.771e+04	3780.50
159	48	93.87	47.95	-6879.21	2.396e+04	-4.668e+04	-3771.84
159	50	-95.40	9.30	-8209.27	4593.50	4.771e+04	3832.20
159	76	27.19	112.01	-7291.67	5.590e+04	-1.343e+04	-3234.18
159	77	-0.03	0.17	-5507.37	63.07	14.58	2.98
159	80	-0.77	0.08	-7568.06	32.22	510.77	4.33
159	81	-0.03	0.17	-5507.37	63.07	14.58	2.98
159	84	-0.96	0.06	-8158.74	22.31	640.34	4.78
162	1	0.14	0.21	-7288.42	75.09	-95.26	2.75
162	4	-1.20	0.09	-1.121e+04	35.50	799.39	7.81
162	5	0.11	0.16	-5581.50	58.42	-73.72	2.08
162	8	-1.23	0.04	-9506.13	18.82	820.92	7.14
162	18	-225.65	21.24	-9407.90	1.050e+04	1.126e+05	8789.47
162	19	224.44	-21.05	-5828.41	-1.042e+04	-1.118e+05	-8780.08
162	22	-229.81	-8.61	-9378.75	-4407.73	1.147e+05	1.473e+04
162	44	70.31	256.96	-7296.71	1.283e+05	-3.498e+04	-7428.02
162	50	-98.66	9.31	-8398.00	4595.76	4.931e+04	3832.48

162	51	97.45	-9.12	-6838.31	-4518.19	-4.850e+04	-3823.09
162	54	-100.48	-3.70	-8385.30	-1898.69	5.021e+04	6418.85
162	76	30.30	112.02	-7478.09	5.591e+04	-1.501e+04	-3233.96
162	77	0.11	0.16	-5595.61	58.05	-73.47	2.10
162	80	-0.61	0.09	-7618.15	38.78	402.41	4.70
162	81	0.11	0.16	-5595.61	58.05	-73.47	2.10
162	84	-0.79	0.08	-8212.04	31.65	522.96	5.47
168	4	-0.67	0.07	-1.135e+04	22.59	445.39	10.78
168	5	0.17	0.08	-5766.53	3.54	-112.35	-0.92
168	6	-0.73	0.04	-9299.62	34.70	485.58	10.81
168	18	-241.19	21.15	-1.016e+04	1.044e+04	1.204e+05	8787.31
168	19	240.57	-21.03	-5283.38	-1.041e+04	-1.199e+05	-8776.53
168	22	-256.03	-8.70	-1.009e+04	-4466.09	1.278e+05	1.472e+04
168	44	84.09	256.92	-8029.96	1.282e+05	-4.193e+04	-7429.14
168	50	-105.27	9.25	-8787.72	4558.46	5.256e+04	3831.93
168	51	104.65	-9.13	-6660.65	-4524.23	-5.215e+04	-3821.15
168	54	-111.73	-3.76	-8755.41	-1936.35	5.579e+04	6418.24
168	76	36.47	111.98	-7857.42	5.589e+04	-1.816e+04	-3234.05
168	77	0.17	0.08	-5784.87	2.78	-112.73	-0.91
168	78	-0.31	0.06	-7669.18	19.40	206.17	5.35
168	80	-0.31	0.06	-7724.19	17.12	205.05	5.39
168	81	0.17	0.08	-5784.87	2.78	-112.73	-0.91
168	82	-0.43	0.06	-8140.26	23.55	285.89	6.91
168	84	-0.43	0.05	-8323.61	15.94	282.15	7.05
171	3	0.09	0.05	-7988.68	-46.30	-62.43	0.55
171	4	-0.42	0.05	-1.142e+04	13.51	278.03	14.35
171	5	0.07	0.04	-5871.66	-22.93	-46.00	0.17
171	6	-0.44	0.05	-9303.62	36.88	294.47	13.97
171	18	-249.05	21.11	-1.056e+04	1.041e+04	1.243e+05	8787.14
171	19	248.64	-21.02	-5007.42	-1.040e+04	-1.240e+05	-8771.92
171	22	-269.23	-8.74	-1.046e+04	-4492.18	1.344e+05	1.472e+04
171	44	90.85	256.85	-8411.23	1.282e+05	-4.532e+04	-7428.92
171	50	-108.63	9.22	-8994.18	4539.23	5.423e+04	3833.11
171	51	108.22	-9.14	-6574.30	-4528.92	-5.396e+04	-3817.89
171	54	-117.43	-3.78	-8951.73	-1954.47	5.862e+04	6419.41
171	76	39.47	111.94	-8057.44	5.586e+04	-1.967e+04	-3232.70
171	77	0.07	0.04	-5892.21	-23.88	-46.15	0.19
171	78	-0.21	0.04	-7722.59	8.02	135.43	7.55
171	79	0.07	0.04	-5953.86	-26.74	-46.60	0.25
171	80	-0.21	0.04	-7784.24	5.16	134.97	7.61
171	81	0.07	0.04	-5892.21	-23.88	-46.15	0.19
171	82	-0.27	0.04	-8180.19	15.99	180.83	9.39
171	83	0.07	0.04	-6097.72	-33.41	-47.67	0.38
171	84	-0.27	0.04	-8385.69	6.46	179.30	9.58
173	4	1.24	-0.13	-1.376e+04	-109.51	-826.25	0.0
173	5	0.18	0.10	-5779.15	13.80	-120.42	0.0
173	8	1.18	-0.15	-1.200e+04	-109.73	-787.64	0.0
173	16	201.90	48.24	-8850.89	2.403e+04	-1.010e+05	0.0
173	34	-47.98	235.71	-8405.08	1.177e+05	2.382e+04	0.0
173	35	49.40	-235.78	-9686.68	-1.178e+05	-2.476e+04	0.0
173	48	88.37	21.00	-8960.92	1.045e+04	-4.427e+04	0.0
173	66	-20.51	102.69	-8766.66	5.126e+04	1.011e+04	0.0
173	67	21.93	-102.75	-9325.09	-5.135e+04	-1.106e+04	0.0
173	77	0.18	0.09	-5791.52	12.10	-121.50	0.0
173	80	0.71	-0.03	-9045.88	-45.27	-471.95	0.0
173	81	0.18	0.09	-5791.52	12.10	-121.50	0.0
173	84	0.85	-0.07	-9936.76	-70.26	-566.31	0.0
175	3	0.61	0.50	-7566.89	257.53	-406.45	0.0
175	4	1.78	0.27	-1.294e+04	154.68	-1187.57	0.0
175	5	0.42	0.37	-5642.69	196.56	-278.73	0.0
175	16	210.91	39.48	-8765.65	1.968e+04	-1.055e+05	0.0
175	34	-55.74	243.94	-8014.49	1.219e+05	2.763e+04	0.0
175	35	57.85	-243.44	-9104.33	-1.216e+05	-2.904e+04	0.0
175	48	92.50	17.34	-8649.28	8654.53	-4.637e+04	0.0
175	66	-23.69	106.43	-8321.97	5.318e+04	1.164e+04	0.0
175	67	25.81	-105.93	-8796.85	-5.289e+04	-1.305e+04	0.0
175	77	0.42	0.37	-5656.07	196.67	-281.27	0.0
175	79	0.43	0.38	-5696.19	197.02	-288.92	0.0
175	80	1.06	0.25	-8559.41	142.17	-705.52	0.0
175	81	0.42	0.37	-5656.07	196.67	-281.27	0.0
175	83	0.46	0.38	-5789.82	197.83	-306.77	0.0
175	84	1.24	0.23	-9368.84	129.27	-827.52	0.0
177	3	-0.60	0.52	-7622.13	269.47	395.10	0.0
177	4	-1.80	0.32	-1.310e+04	189.38	1201.66	0.0
177	5	-0.41	0.38	-5684.57	205.55	270.07	0.0
177	13	-210.86	-92.31	-9114.15	-4.613e+04	1.055e+05	0.0
177	41	-58.34	-242.18	-9191.27	-1.209e+05	2.929e+04	0.0

177	44	56.20	242.74	-8124.24	1.213e+05	-2.787e+04	0.0
177	45	-92.48	-40.06	-8856.62	-2.001e+04	4.636e+04	0.0
177	73	-26.02	-105.37	-8890.23	-5.260e+04	1.316e+04	0.0
177	76	23.89	105.93	-8425.29	5.293e+04	-1.174e+04	0.0
177	77	-0.41	0.38	-5697.99	205.68	272.61	0.0
177	79	-0.42	0.39	-5738.26	206.07	280.25	0.0
177	80	-1.07	0.28	-8657.76	163.35	710.41	0.0
177	81	-0.41	0.38	-5697.99	205.68	272.61	0.0
177	83	-0.45	0.40	-5832.21	206.98	298.05	0.0
177	84	-1.25	0.26	-9481.58	153.59	835.76	0.0
179	4	-0.63	0.98	-1.206e+04	632.84	420.77	0.0
179	5	0.06	0.05	-5197.82	-15.62	-41.28	0.0
179	6	-0.65	0.96	-1.022e+04	643.04	432.62	0.0
179	8	-0.65	0.97	-1.046e+04	638.26	433.08	0.0
179	22	-253.98	35.62	-8669.06	1.778e+04	1.269e+05	0.0
179	38	-65.15	220.91	-8703.52	1.103e+05	3.256e+04	0.0
179	39	64.51	-219.83	-7175.08	-1.097e+05	-3.214e+04	0.0
179	44	82.86	235.64	-8365.15	1.177e+05	-4.134e+04	0.0
179	54	-110.85	15.82	-8257.28	7934.50	5.540e+04	0.0
179	70	-28.57	96.56	-8272.30	4.827e+04	1.431e+04	0.0
179	71	27.93	-95.48	-7606.31	-4.760e+04	-1.388e+04	0.0
179	76	35.92	102.98	-8124.86	5.149e+04	-1.789e+04	0.0
179	77	0.06	0.05	-5214.19	-15.94	-41.25	0.0
179	78	-0.32	0.54	-7890.19	335.35	211.50	0.0
179	80	-0.32	0.54	-7939.30	334.39	211.59	0.0
179	81	0.06	0.05	-5214.19	-15.94	-41.25	0.0
179	82	-0.41	0.66	-8559.19	423.17	274.68	0.0
179	84	-0.41	0.66	-8722.90	419.98	274.99	0.0
183	4	-1.54	-2.03	-1.177e+04	-1374.60	1026.86	0.0
183	5	-0.41	-0.74	-4990.54	-542.95	269.85	0.0
183	13	-174.80	-93.74	-8060.44	-4.709e+04	8.744e+04	0.0
183	38	-69.59	219.31	-5950.44	1.092e+05	3.499e+04	0.0
183	39	67.72	-221.92	-9648.36	-1.110e+05	-3.374e+04	0.0
183	41	-27.04	-243.38	-9536.79	-1.217e+05	1.358e+04	0.0
183	45	-76.69	-41.58	-7913.14	-2.102e+04	3.845e+04	0.0
183	70	-30.85	94.82	-6993.76	4.708e+04	1.560e+04	0.0
183	71	28.98	-97.43	-8605.04	-4.887e+04	-1.435e+04	0.0
183	73	-12.31	-106.79	-8556.43	-5.355e+04	6268.48	0.0
183	77	-0.41	-0.74	-4992.52	-544.21	271.08	0.0
183	80	-0.93	-1.30	-7799.40	-893.03	623.96	0.0
183	81	-0.41	-0.74	-4992.52	-544.21	271.08	0.0
183	84	-1.08	-1.45	-8513.52	-988.12	719.90	0.0
190	4	0.48	-0.37	-1.407e+04	-269.41	-321.20	0.0
190	5	-0.07	0.10	-5709.63	19.31	46.21	0.0
190	8	0.50	-0.40	-1.233e+04	-271.54	-334.34	0.0
190	16	192.39	56.87	-8871.76	2.834e+04	-9.622e+04	0.0
190	29	-68.75	-220.82	-1.003e+04	-1.103e+05	3.436e+04	0.0
190	32	69.22	220.51	-8377.38	1.101e+05	-3.467e+04	0.0
190	35	40.55	-228.04	-9982.03	-1.140e+05	-2.028e+04	0.0
190	48	83.96	24.69	-9059.37	1.227e+04	-4.201e+04	0.0
190	61	-29.82	-96.31	-9564.53	-4.815e+04	1.488e+04	0.0
190	64	30.29	95.99	-8843.96	4.789e+04	-1.519e+04	0.0
190	67	17.80	-99.45	-9543.15	-4.972e+04	-8923.92	0.0
190	77	-0.07	0.10	-5718.95	17.72	45.90	0.0
190	80	0.23	-0.16	-9204.24	-129.44	-155.49	0.0
190	81	-0.07	0.10	-5718.95	17.72	45.90	0.0
190	84	0.31	-0.23	-1.013e+04	-176.18	-207.81	0.0
194	4	-0.33	-0.37	-1.415e+04	-272.99	220.99	0.0
194	5	0.08	0.11	-5726.62	22.45	-57.05	0.0
194	8	-0.35	-0.40	-1.241e+04	-276.07	237.40	0.0
194	13	-192.21	-75.06	-9382.67	-3.756e+04	9.610e+04	0.0
194	38	-67.84	220.10	-8432.26	1.099e+05	3.396e+04	0.0
194	39	67.54	-220.42	-1.008e+04	-1.101e+05	-3.377e+04	0.0
194	41	-41.76	-227.64	-1.003e+04	-1.138e+05	2.087e+04	0.0
194	45	-83.84	-32.80	-9310.58	-1.644e+04	4.193e+04	0.0
194	70	-29.64	95.81	-8896.46	4.780e+04	1.485e+04	0.0
194	71	29.35	-96.13	-9613.37	-4.806e+04	-1.466e+04	0.0
194	73	-18.28	-99.28	-9590.70	-4.964e+04	9149.88	0.0
194	77	0.08	0.11	-5735.95	20.86	-56.74	0.0
194	80	-0.15	-0.16	-9254.92	-130.40	98.77	0.0
194	81	0.08	0.11	-5735.95	20.86	-56.74	0.0
194	84	-0.21	-0.23	-1.019e+04	-178.15	139.56	0.0
196	4	-1.16	-0.14	-1.391e+04	-119.11	770.94	0.0
196	5	-0.17	0.10	-5809.10	18.75	110.76	0.0
196	8	-1.10	-0.17	-1.214e+04	-120.83	735.25	0.0
196	13	-201.76	-83.69	-9304.77	-4.186e+04	1.009e+05	0.0
196	41	-50.23	-234.98	-9768.12	-1.174e+05	2.517e+04	0.0

196	44	48.91	234.90	-8507.27	1.173e+05	-2.429e+04	0.0
196	45	-88.28	-36.49	-9210.49	-1.827e+04	4.421e+04	0.0
196	73	-22.26	-102.41	-9412.39	-5.118e+04	1.122e+04	0.0
196	76	20.94	102.33	-8863.00	5.109e+04	-1.034e+04	0.0
196	77	-0.17	0.10	-5821.49	17.05	111.83	0.0
196	80	-0.66	-0.04	-9137.69	-48.90	439.54	0.0
196	81	-0.17	0.10	-5821.49	17.05	111.83	0.0
196	84	-0.79	-0.08	-1.004e+04	-76.00	528.16	0.0
198	3	0.09	-0.48	-8179.20	-396.73	-62.88	11.20
198	4	-0.06	0.20	-1.162e+04	113.67	33.95	5.06
198	5	0.07	-0.35	-5985.72	-281.71	-47.62	8.27
198	22	-282.41	20.63	-9864.43	1.017e+04	1.409e+05	1.472e+04
198	38	-63.90	220.26	-1.004e+04	1.098e+05	3.186e+04	-413.01
198	39	63.88	-220.23	-5779.24	-1.099e+05	-3.186e+04	423.21
198	41	-97.76	-241.80	-6680.77	-1.207e+05	4.881e+04	7437.78
198	54	-123.06	9.00	-4423.38	4423.78	6.141e+04	6418.09
198	70	-27.85	95.98	-8840.41	4.785e+04	1.389e+04	-177.09
198	71	27.83	-95.96	-6982.34	-4.788e+04	-1.388e+04	187.28
198	73	-42.60	-105.35	-7375.16	-5.260e+04	2.127e+04	3243.73
198	77	0.07	-0.35	-6008.72	-283.47	-47.68	8.29
198	79	0.07	-0.35	-6077.69	-288.76	-47.85	8.37
198	80	-9.28e-03	0.01	-7911.38	-16.55	3.80	5.10
198	81	0.07	-0.35	-6008.72	-283.47	-47.68	8.29
198	83	0.07	-0.36	-6238.63	-301.11	-48.24	8.56
198	84	-0.03	0.09	-8530.74	39.16	16.32	4.46
199	4	-0.17	0.21	-1.157e+04	118.55	108.62	3.56
199	5	0.04	-0.07	-5988.30	-99.11	-30.60	7.97
199	6	-0.18	0.25	-9378.05	169.11	117.90	0.55
199	18	-256.89	29.94	-1.044e+04	1.483e+04	1.282e+05	8788.92
199	19	256.73	-29.75	-5331.78	-1.475e+04	-1.281e+05	-8780.61
199	22	-282.41	6.02	-1.034e+04	2891.01	1.409e+05	1.472e+04
199	44	97.66	249.40	-8997.39	1.245e+05	-4.875e+04	-7428.56
199	50	-111.98	13.10	-9001.58	6484.33	5.588e+04	3831.94
199	51	111.82	-12.91	-6774.09	-6406.08	-5.578e+04	-3823.62
199	54	-123.10	2.68	-8957.37	1281.78	6.144e+04	6418.29
199	76	42.51	108.72	-8371.30	5.426e+04	-2.121e+04	-3234.49
199	77	0.04	-0.07	-6011.22	-100.31	-30.60	8.01
199	78	-0.08	0.10	-7819.08	42.74	48.59	4.05
199	79	0.04	-0.08	-6079.97	-103.93	-30.62	8.11
199	80	-0.08	0.09	-7887.83	39.13	48.58	4.16
199	81	0.04	-0.07	-6011.22	-100.31	-30.60	8.01
199	82	-0.11	0.14	-8271.05	78.50	68.39	3.06
199	83	0.04	-0.08	-6240.38	-112.35	-30.66	8.37
199	84	-0.11	0.13	-8500.22	66.46	68.33	3.42
200	3	-0.17	0.69	-7839.67	385.24	108.43	0.0
200	4	0.66	0.39	-1.433e+04	236.72	-440.95	0.0
200	5	-0.12	0.51	-5827.04	287.36	77.25	0.0
200	6	0.71	0.20	-1.231e+04	138.83	-472.13	0.0
200	16	211.48	56.93	-9231.94	2.846e+04	-1.057e+05	0.0
200	29	-66.72	-220.39	-9646.25	-1.100e+05	3.331e+04	0.0
200	32	67.37	221.09	-9048.41	1.105e+05	-3.374e+04	0.0
200	34	-57.38	228.67	-9061.58	1.143e+05	2.861e+04	0.0
200	48	92.33	25.01	-9297.05	1.252e+04	-4.620e+04	0.0
200	61	-28.89	-95.83	-9477.58	-4.783e+04	1.439e+04	0.0
200	64	29.53	96.54	-9217.08	4.825e+04	-1.482e+04	0.0
200	66	-24.82	99.84	-9222.82	4.991e+04	1.234e+04	0.0
200	77	-0.12	0.51	-5842.33	288.03	77.71	0.0
200	78	0.32	0.35	-9301.46	208.82	-215.29	0.0
200	79	-0.12	0.51	-5888.20	290.06	79.10	0.0
200	80	0.32	0.35	-9347.33	210.84	-213.90	0.0
200	81	-0.12	0.51	-5842.33	288.03	77.71	0.0
200	82	0.43	0.31	-1.017e+04	189.02	-288.54	0.0
200	83	-0.13	0.53	-5995.23	294.78	82.34	0.0
200	84	0.43	0.33	-1.032e+04	195.77	-283.91	0.0
201	4	1.17	1.11	-1.312e+04	712.95	-777.58	0.0
201	5	0.06	0.83	-5457.91	503.07	-44.43	0.0
201	22	-222.36	100.34	-8296.14	5.028e+04	1.109e+05	0.0
201	23	223.63	-98.70	-8888.22	-4.923e+04	-1.118e+05	0.0
201	34	-66.99	238.48	-8477.15	1.192e+05	3.335e+04	0.0
201	54	-96.53	44.18	-8463.19	2.220e+04	4.810e+04	0.0
201	55	97.80	-42.54	-8721.17	-2.116e+04	-4.895e+04	0.0
201	66	-28.83	104.37	-8542.06	5.225e+04	1.429e+04	0.0
201	77	0.07	0.83	-5472.98	505.52	-45.24	0.0
201	80	0.64	0.82	-8592.18	521.71	-424.12	0.0
201	81	0.07	0.83	-5472.98	505.52	-45.24	0.0
201	84	0.79	0.84	-9466.18	541.07	-523.88	0.0
204	4	1.65	-0.17	-1.071e+04	-135.08	-1099.26	0.12

204	5	0.27	0.07	-5091.30	-5.60	-183.00	-1.25
204	16	192.42	21.69	-7644.49	1.070e+04	-9.614e+04	-8664.42
204	34	-39.48	258.78	-5537.73	1.291e+05	1.947e+04	7824.92
204	35	41.39	-258.92	-8954.60	-1.293e+05	-2.075e+04	-7825.58
204	48	84.38	9.41	-7419.73	4621.27	-4.225e+04	-3775.52
204	66	-16.66	112.72	-6501.75	5.623e+04	8126.56	3409.36
204	67	18.57	-112.86	-7990.58	-5.637e+04	-9398.03	-3410.02
204	77	0.27	0.07	-5096.39	-6.33	-184.27	-1.25
204	80	0.95	-0.07	-7246.17	-69.93	-635.73	-0.33
204	81	0.27	0.07	-5096.39	-6.33	-184.27	-1.25
204	84	1.14	-0.10	-7815.38	-90.41	-756.56	-0.09
205	4	1.64	-0.10	-1.086e+04	-87.81	-1089.07	-1.22
205	5	0.24	0.10	-5220.45	16.90	-158.40	-1.96
205	8	1.56	-0.13	-9281.31	-91.35	-1038.21	-0.62
205	16	201.43	21.73	-8125.92	1.073e+04	-1.006e+05	-8666.64
205	22	-186.45	140.28	-5956.38	7.008e+04	9.282e+04	1.472e+04
205	23	188.31	-140.33	-8755.65	-7.016e+04	-9.406e+04	-1.472e+04
205	35	49.65	-258.89	-8688.53	-1.293e+05	-2.488e+04	-7826.10
205	48	88.30	9.46	-7691.49	4652.91	-4.420e+04	-3777.01
205	54	-80.71	61.11	-6746.15	3.052e+04	4.009e+04	6411.91
205	55	82.58	-61.16	-7965.88	-3.059e+04	-4.134e+04	-6414.39
205	67	22.16	-112.82	-7936.63	-5.635e+04	-1.119e+04	-3410.76
205	77	0.24	0.10	-5228.01	16.23	-159.85	-1.96
205	80	0.93	-0.02	-7356.01	-38.17	-621.81	-1.24
205	81	0.24	0.10	-5228.01	16.23	-159.85	-1.96
205	84	1.12	-0.05	-7935.25	-55.93	-746.39	-1.07
209	1	-0.15	0.19	-7224.68	58.30	97.63	-2.31
209	4	1.12	9.80e-04	-1.122e+04	-23.16	-744.14	-4.84
209	5	-0.12	0.14	-5532.51	45.53	75.53	-1.74
209	8	1.15	-0.04	-9531.42	-35.93	-766.23	-4.27
209	13	-224.40	-21.69	-5825.01	-1.075e+04	1.118e+05	8663.91
209	16	225.52	21.77	-9392.76	1.075e+04	-1.126e+05	-8669.93
209	23	229.79	-140.27	-9259.70	-7.012e+04	-1.147e+05	-1.472e+04
209	34	-70.64	258.88	-7287.66	1.292e+05	3.515e+04	7822.63
209	45	-97.46	-9.43	-6831.60	-4680.16	4.851e+04	3773.42
209	48	98.58	9.51	-8386.17	4687.41	-4.926e+04	-3779.44
209	55	100.44	-61.10	-8328.19	-3.055e+04	-5.019e+04	-6416.94
209	66	-30.46	112.83	-7468.92	5.630e+04	1.511e+04	3406.85
209	77	-0.11	0.14	-5546.60	45.14	75.29	-1.76
209	80	0.56	0.04	-7608.88	3.62	-372.42	-3.01
209	81	-0.11	0.14	-5546.60	45.14	75.29	-1.76
209	84	0.73	0.02	-8212.54	-9.16	-485.89	-3.45
210	4	0.85	-1.37e-04	-1.134e+04	-23.94	-566.78	-5.79
210	5	-0.20	0.11	-5632.12	22.98	128.76	-3.58e-03
210	6	0.92	-0.04	-9366.47	-21.37	-609.66	-5.49
210	8	0.91	-0.03	-9609.19	-29.58	-605.97	-5.75
210	13	-232.35	-21.67	-5577.60	-1.074e+04	1.158e+05	8662.95
210	16	233.14	21.74	-9799.40	1.073e+04	-1.163e+05	-8668.95
210	23	242.90	-140.31	-9425.24	-7.015e+04	-1.212e+05	-1.472e+04
210	35	78.70	-258.81	-7692.08	-1.292e+05	-3.935e+04	-7829.34
210	45	-101.02	-9.43	-6768.72	-4679.69	5.032e+04	3773.01
210	48	101.81	9.49	-8608.28	4673.97	-5.084e+04	-3779.01
210	55	106.06	-61.12	-8445.25	-3.057e+04	-5.298e+04	-6416.73
210	67	34.52	-112.75	-7690.06	-5.631e+04	-1.729e+04	-3413.16
210	77	-0.20	0.11	-5648.30	22.44	129.01	-0.02
210	78	0.40	0.03	-7639.96	-1.22	-264.82	-2.95
210	80	0.40	0.03	-7688.50	-2.86	-264.08	-3.00
210	81	-0.20	0.11	-5648.30	22.44	129.01	-0.02
210	82	0.55	0.01	-8137.87	-7.13	-363.27	-3.68
210	84	0.54	0.01	-8299.68	-12.61	-360.82	-3.85
214	1	0.03	0.20	-7094.02	64.46	-19.57	-3.48
214	4	1.35	-0.02	-1.111e+04	-36.57	-901.01	-3.76
214	5	0.02	0.15	-5435.63	50.23	-13.50	-2.65
214	16	217.93	21.78	-8991.51	1.076e+04	-1.088e+05	-8669.86
214	18	-216.45	110.48	-5955.75	5.521e+04	1.078e+05	8781.51
214	19	217.89	-110.42	-9104.68	-5.522e+04	-1.088e+05	-8786.96
214	35	64.81	-258.81	-8169.25	-1.292e+05	-3.244e+04	-7828.02
214	48	95.37	9.51	-8166.95	4685.73	-4.768e+04	-3779.25
214	50	-93.91	48.16	-6844.17	2.406e+04	4.671e+04	3824.82
214	51	95.35	-48.09	-8216.26	-2.406e+04	-4.767e+04	-3830.27
214	67	28.65	-112.75	-7808.66	-5.630e+04	-1.441e+04	-3412.43
214	77	0.02	0.15	-5447.68	49.86	-14.38	-2.66
214	80	0.72	0.03	-7530.22	-2.19	-480.08	-2.72
214	81	0.02	0.15	-5447.68	49.86	-14.38	-2.66
214	84	0.90	6.85e-03	-8126.12	-17.49	-602.00	-2.85
218	1	-0.37	-1.20	-6475.86	-865.07	245.32	0.0
218	4	-0.03	-2.58	-1.235e+04	-1743.35	22.94	0.0

218	5	-0.29	-0.92	-4976.09	-662.51	188.97	0.0
218	13	-174.60	-58.62	-8671.67	-2.955e+04	8.730e+04	0.0
218	29	-70.77	-221.99	-9527.10	-1.111e+05	3.543e+04	0.0
218	32	70.55	218.69	-6669.73	1.089e+05	-3.528e+04	0.0
218	35	24.24	-229.18	-9441.46	-1.147e+05	-1.206e+04	0.0
218	45	-76.14	-26.47	-8348.20	-1.351e+04	3.808e+04	0.0
218	61	-30.89	-97.66	-8720.93	-4.905e+04	1.548e+04	0.0
218	64	30.68	94.36	-7475.89	4.680e+04	-1.533e+04	0.0
218	67	10.50	-100.79	-8683.62	-5.062e+04	-5214.17	0.0
218	77	-0.29	-0.92	-4979.11	-664.17	188.82	0.0
218	80	-0.11	-1.65	-8098.41	-1124.32	70.95	0.0
218	81	-0.29	-0.92	-4979.11	-664.17	188.82	0.0
218	84	-0.06	-1.84	-8897.11	-1249.68	40.57	0.0
220	4	1.22	-0.90	-1.018e+04	-615.52	-814.00	-34.39
220	5	0.12	-0.27	-4734.54	-226.84	-82.48	-13.55
220	16	173.69	20.95	-6533.72	1.021e+04	-8.669e+04	-8659.50
220	34	-23.41	257.66	-4380.51	1.284e+05	1.150e+04	7793.23
220	35	24.77	-258.78	-9380.04	-1.292e+05	-1.241e+04	-7838.01
220	48	76.07	8.81	-6729.27	4225.14	-3.803e+04	-3785.83
220	66	-9.82	111.95	-5791.06	5.573e+04	4755.53	3383.10
220	67	11.18	-113.07	-7969.49	-5.651e+04	-5665.11	-3427.89
220	77	0.12	-0.27	-4734.63	-227.62	-83.37	-13.57
220	80	0.68	-0.56	-6880.28	-393.75	-454.79	-22.39
220	81	0.12	-0.27	-4734.63	-227.62	-83.37	-13.57
220	84	0.83	-0.63	-7417.25	-440.17	-553.19	-24.72
221	4	1.49	-0.34	-1.052e+04	-245.20	-990.29	-2.03
221	5	0.23	-0.01	-4947.70	-55.63	-153.73	-1.77
221	16	183.25	21.56	-7141.10	1.061e+04	-9.155e+04	-8661.52
221	34	-31.33	258.61	-5023.98	1.290e+05	1.542e+04	7823.48
221	35	33.04	-258.98	-9205.46	-1.293e+05	-1.656e+04	-7826.72
221	48	80.33	9.29	-7126.21	4542.30	-4.021e+04	-3774.99
221	66	-13.17	112.58	-6203.72	5.614e+04	6395.56	3408.00
221	67	14.88	-112.95	-8025.71	-5.643e+04	-7535.13	-3411.25
221	77	0.23	-0.01	-4950.30	-56.37	-154.78	-1.78
221	80	0.86	-0.18	-7114.72	-143.96	-569.78	-1.62
221	81	0.23	-0.01	-4950.30	-56.37	-154.78	-1.78
221	84	1.02	-0.23	-7672.05	-170.49	-680.13	-1.59
224	3	0.17	0.70	-7856.81	389.34	-115.10	0.0
224	4	-0.51	0.41	-1.442e+04	250.77	341.34	0.0
224	5	0.12	0.51	-5840.04	290.41	-82.30	0.0
224	6	-0.56	0.22	-1.241e+04	151.84	374.13	0.0
224	13	-211.37	-75.02	-9455.01	-3.745e+04	1.057e+05	0.0
224	38	-66.86	220.69	-9110.14	1.103e+05	3.347e+04	0.0
224	39	66.38	-219.96	-9695.05	-1.098e+05	-3.315e+04	0.0
224	44	57.90	228.28	-9122.11	1.141e+05	-2.888e+04	0.0
224	45	-92.24	-32.48	-9425.43	-1.620e+04	4.613e+04	0.0
224	70	-29.27	96.37	-9275.16	4.817e+04	1.467e+04	0.0
224	71	28.79	-95.64	-9530.02	-4.773e+04	-1.435e+04	0.0
224	76	25.09	99.67	-9280.38	4.983e+04	-1.249e+04	0.0
224	77	0.12	0.51	-5855.35	291.09	-82.77	0.0
224	78	-0.24	0.36	-9356.68	217.19	160.66	0.0
224	79	0.12	0.52	-5901.26	293.14	-84.18	0.0
224	80	-0.24	0.36	-9402.59	219.24	159.26	0.0
224	81	0.12	0.51	-5855.35	291.09	-82.77	0.0
224	82	-0.33	0.32	-1.023e+04	198.71	221.52	0.0
224	83	0.13	0.53	-6008.38	297.91	-87.46	0.0
224	84	-0.32	0.34	-1.039e+04	205.54	216.83	0.0
227	3	0.07	-0.76	-8204.66	-584.35	-51.56	-1.44
227	4	0.17	0.48	-1.177e+04	292.28	-112.69	4.03
227	5	0.05	-0.56	-6002.97	-422.33	-37.29	-1.09
227	23	282.62	-80.85	-7992.20	-4.039e+04	-1.411e+05	-1.471e+04
227	29	-62.16	-219.70	-6209.93	-1.096e+05	3.099e+04	-810.55
227	32	62.37	219.88	-9780.50	1.097e+05	-3.113e+04	814.20
227	34	-99.33	227.18	-9483.04	1.133e+05	4.957e+04	7826.90
227	55	123.21	-35.18	-7993.90	-1.758e+04	-6.151e+04	-6409.82
227	61	-27.02	-95.68	-7217.32	-4.773e+04	1.346e+04	-352.15
227	64	27.24	95.86	-8773.12	4.780e+04	-1.360e+04	355.80
227	66	-43.22	99.04	-8643.51	4.940e+04	2.156e+04	3411.44
227	77	0.05	-0.56	-6026.14	-424.37	-37.47	-1.09
227	79	0.06	-0.57	-6095.64	-430.50	-38.00	-1.10
227	80	0.11	0.09	-7995.22	37.04	-70.61	1.82
227	81	0.05	-0.56	-6026.14	-424.37	-37.47	-1.09
227	83	0.06	-0.58	-6257.81	-444.79	-39.25	-1.11
227	84	0.12	0.24	-8632.28	139.63	-80.01	2.54
228	4	-0.03	0.70	-1.178e+04	443.73	20.22	1.66
228	5	-9.60e-03	-0.51	-6015.01	-388.32	4.52	0.19
228	6	-0.03	0.88	-9569.26	593.10	18.75	1.59

228	22	-282.56	65.94	-8485.52	3.291e+04	1.410e+05	1.471e+04
228	29	-62.30	-218.81	-6389.45	-1.091e+05	3.108e+04	-811.54
228	32	62.27	219.27	-9617.49	1.094e+05	-3.106e+04	813.42
228	38	-64.00	219.27	-9615.34	1.094e+05	3.193e+04	-418.57
228	54	-123.13	28.86	-8213.51	1.441e+04	6.146e+04	6412.22
228	61	-27.16	-95.21	-7300.19	-4.748e+04	1.355e+04	-353.08
228	64	27.12	95.67	-8706.74	4.774e+04	-1.353e+04	354.96
228	70	-27.90	95.67	-8705.81	4.774e+04	1.392e+04	-181.85
228	77	-9.61e-03	-0.51	-6038.23	-390.22	4.53	0.19
228	79	-9.65e-03	-0.51	-6107.87	-395.92	4.55	0.19
228	80	-0.02	0.23	-8003.47	127.50	12.14	0.94
228	81	-9.61e-03	-0.51	-6038.23	-390.22	4.53	0.19
228	83	-9.73e-03	-0.53	-6270.37	-409.22	4.59	0.20
228	84	-0.02	0.40	-8639.87	245.06	14.08	1.13
229	4	-1.68	-0.09	-1.090e+04	-78.59	1119.53	1.97
229	5	-0.27	0.09	-5190.42	11.95	176.08	1.40
229	8	-1.59	-0.12	-9335.91	-80.52	1063.79	1.55
229	13	-192.26	-109.87	-8631.93	-5.495e+04	9.604e+04	8665.15
229	41	-42.66	-256.90	-9068.12	-1.283e+05	2.138e+04	7433.83
229	44	40.72	256.86	-5693.31	1.282e+05	-2.009e+04	-7430.86
229	45	-84.32	-47.88	-7925.90	-2.396e+04	4.221e+04	3776.50
229	73	-19.13	-111.95	-8115.96	-5.591e+04	9680.45	3239.97
229	76	17.20	111.91	-6645.46	5.584e+04	-8391.56	-3237.01
229	77	-0.27	0.09	-5195.58	11.23	177.35	1.40
229	80	-0.97	-0.02	-7380.71	-34.49	644.45	1.48
229	81	-0.27	0.09	-5195.58	11.23	177.35	1.40
229	84	-1.15	-0.05	-7959.24	-50.42	769.15	1.50
231	3	-0.07	-0.57	-7426.72	-459.91	45.51	0.0
231	4	0.31	0.52	-1.175e+04	319.88	-203.52	0.0
231	5	-0.05	-0.42	-5458.57	-328.00	35.09	0.0
231	8	0.32	0.65	-1.007e+04	422.73	-214.04	0.0
231	23	268.04	-96.09	-8286.87	-4.805e+04	-1.338e+05	0.0
231	29	-62.95	-220.72	-6572.49	-1.101e+05	3.138e+04	0.0
231	32	63.25	221.03	-9114.31	1.103e+05	-3.158e+04	0.0
231	34	-91.50	235.60	-8655.08	1.176e+05	4.568e+04	0.0
231	55	116.88	-41.78	-8036.63	-2.089e+04	-5.838e+04	0.0
231	61	-27.35	-96.08	-7289.63	-4.794e+04	1.362e+04	0.0
231	64	27.64	96.40	-8397.17	4.810e+04	-1.381e+04	0.0
231	66	-39.79	102.75	-8197.07	5.129e+04	1.985e+04	0.0
231	77	-0.05	-0.42	-5477.68	-329.94	35.08	0.0
231	79	-0.05	-0.42	-5535.01	-335.75	35.06	0.0
231	80	0.15	0.16	-7843.40	80.14	-97.76	0.0
231	81	-0.05	-0.42	-5477.68	-329.94	35.08	0.0
231	83	-0.05	-0.44	-5668.77	-349.30	35.02	0.0
231	84	0.20	0.29	-8554.26	170.55	-131.00	0.0
233	3	-0.11	-0.49	-8172.96	-405.66	73.46	-10.54
233	4	-0.02	0.14	-1.173e+04	67.33	12.97	-1.96
233	5	-0.08	-0.36	-5980.76	-288.49	55.62	-7.77
233	22	-282.47	110.83	-6995.92	5.536e+04	1.410e+05	1.471e+04
233	29	-62.23	-221.46	-5824.43	-1.105e+05	3.104e+04	-814.37
233	32	62.16	221.40	-1.012e+04	1.104e+05	-3.099e+04	807.78
233	35	99.41	-243.02	-6728.50	-1.213e+05	-4.963e+04	-7828.93
233	54	-123.10	48.28	-7546.45	2.410e+04	6.144e+04	6409.64
233	61	-27.13	-96.51	-7035.99	-4.817e+04	1.354e+04	-356.70
233	64	27.07	96.45	-8907.13	4.808e+04	-1.349e+04	350.11
233	67	43.30	-105.91	-7429.92	-5.288e+04	-2.161e+04	-3413.15
233	77	-0.08	-0.36	-6003.77	-290.26	55.68	-7.79
233	79	-0.09	-0.36	-6072.78	-295.57	55.88	-7.87
233	80	-0.03	-0.03	-7971.56	-43.31	23.62	-3.30
233	81	-0.08	-0.36	-6003.77	-290.26	55.68	-7.79
233	83	-0.09	-0.37	-6233.81	-307.96	56.35	-8.05
233	84	-0.02	0.04	-8607.28	7.36	16.02	-2.33
236	4	1.81	-0.07	-1.282e+04	-71.60	-1204.43	0.0
236	5	0.44	0.18	-5514.14	68.01	-292.14	0.0
236	8	1.67	-0.12	-1.115e+04	-89.02	-1112.97	0.0
236	16	192.92	39.69	-8211.79	1.975e+04	-9.656e+04	0.0
236	34	-39.05	243.30	-7382.59	1.215e+05	1.926e+04	0.0
236	35	41.22	-243.26	-9597.79	-1.215e+05	-2.071e+04	0.0
236	48	84.67	17.30	-8368.89	8598.14	-4.248e+04	0.0
236	66	-16.40	106.03	-8007.58	5.293e+04	7985.52	0.0
236	67	18.57	-105.99	-8972.81	-5.295e+04	-9432.06	0.0
236	77	0.44	0.18	-5521.85	66.71	-293.80	0.0
236	80	1.09	0.02	-8490.19	-10.55	-723.27	0.0
236	81	0.44	0.18	-5521.85	66.71	-293.80	0.0
236	84	1.26	-0.02	-9280.44	-37.97	-841.02	0.0
237	4	-0.35	0.57	-1.171e+04	359.66	234.67	0.0
237	5	0.04	-0.41	-5467.56	-325.73	-27.74	0.0

237	6	-0.36	0.73	-9741.09	490.94	242.68	0.0
237	8	-0.37	0.70	-1.003e+04	461.85	242.95	0.0
237	22	-268.14	35.62	-8875.31	1.770e+04	1.339e+05	0.0
237	38	-64.57	220.26	-9091.12	1.099e+05	3.224e+04	0.0
237	39	64.22	-219.89	-6555.44	-1.097e+05	-3.201e+04	0.0
237	44	90.23	234.80	-8633.35	1.172e+05	-4.503e+04	0.0
237	54	-116.93	15.63	-8281.68	7768.25	5.841e+04	0.0
237	70	-28.24	96.08	-8375.72	4.795e+04	1.412e+04	0.0
237	71	27.88	-95.70	-7270.85	-4.775e+04	-1.388e+04	0.0
237	76	39.21	102.42	-8176.25	5.113e+04	-1.956e+04	0.0
237	77	0.04	-0.41	-5486.69	-327.67	-27.72	0.0
237	79	0.04	-0.42	-5544.07	-333.49	-27.66	0.0
237	80	-0.18	0.19	-7823.28	102.07	116.56	0.0
237	81	0.04	-0.41	-5486.69	-327.67	-27.72	0.0
237	83	0.04	-0.43	-5677.96	-347.07	-27.54	0.0
237	84	-0.23	0.33	-8526.97	197.38	152.74	0.0
239	2	-1.03	-0.83	-1.047e+04	-557.88	689.66	35.99
239	4	-1.04	-0.83	-1.047e+04	-568.94	701.81	36.25
239	7	-0.08	-0.25	-4834.11	-224.26	52.23	14.37
239	13	-171.27	-110.29	-8077.00	-5.523e+04	8.543e+04	8660.84
239	41	-24.94	-256.75	-9619.77	-1.282e+05	1.248e+04	7446.61
239	44	23.80	255.71	-4515.73	1.274e+05	-1.172e+04	-7399.48
239	45	-74.95	-48.35	-7507.51	-2.427e+04	3.744e+04	3787.08
239	73	-11.19	-112.16	-8179.74	-5.605e+04	5653.57	3258.01
239	76	10.05	111.13	-5955.76	5.532e+04	-4888.86	-3210.87
239	78	-0.57	-0.52	-7068.83	-362.75	379.92	23.51
239	79	-0.06	-0.25	-4838.06	-216.16	43.31	14.17
239	80	-0.57	-0.52	-7067.75	-364.96	382.36	23.57
239	82	-0.69	-0.59	-7626.25	-399.95	464.68	25.86
239	83	-0.07	-0.25	-4835.55	-221.32	48.99	14.30
239	84	-0.70	-0.59	-7622.66	-407.33	472.79	26.04
240	4	-1.48	-0.22	-1.078e+04	-162.96	987.43	2.39
240	5	-0.22	0.03	-5066.63	-25.48	144.68	1.22
240	13	-183.04	-109.94	-8431.17	-5.499e+04	9.141e+04	8660.89
240	41	-34.70	-256.91	-9357.40	-1.283e+05	1.738e+04	7433.42
240	44	33.01	256.70	-5224.23	1.281e+05	-1.625e+04	-7430.13
240	45	-80.23	-47.96	-7787.70	-2.401e+04	4.015e+04	3774.73
240	73	-15.60	-112.00	-8191.29	-5.594e+04	7893.48	3239.89
240	76	13.90	111.79	-6390.35	5.576e+04	-6762.37	-3236.60
240	77	-0.22	0.03	-5069.32	-26.21	145.72	1.22
240	80	-0.85	-0.10	-7290.82	-90.96	565.55	1.65
240	81	-0.22	0.03	-5069.32	-26.21	145.72	1.22
240	84	-1.01	-0.14	-7863.00	-111.66	677.02	1.75
242	4	0.60	-0.01	-1.145e+04	-33.27	-395.39	-7.69
242	5	-0.18	0.06	-5738.20	-8.13	117.98	1.30
242	6	0.66	-0.03	-9413.24	-17.44	-437.41	-7.84
242	13	-240.32	-21.66	-5327.94	-1.073e+04	1.198e+05	8660.42
242	16	240.85	21.69	-1.022e+04	1.070e+04	-1.202e+05	-8667.68
242	23	256.07	-140.35	-9597.72	-7.017e+04	-1.278e+05	-1.472e+04
242	35	85.65	-258.83	-7455.48	-1.292e+05	-4.281e+04	-7831.08
242	45	-104.56	-9.43	-6706.80	-4684.21	5.211e+04	3771.55
242	48	105.09	9.46	-8836.31	4651.83	-5.247e+04	-3778.81
242	55	111.73	-61.15	-8567.27	-3.059e+04	-5.579e+04	-6416.92
242	67	37.47	-112.77	-7633.83	-5.632e+04	-1.875e+04	-3414.28
242	77	-0.18	0.06	-5756.53	-8.90	118.36	1.28
242	78	0.27	0.01	-7716.55	-13.87	-177.85	-3.59
242	80	0.27	0.01	-7771.55	-16.19	-176.70	-3.63
242	81	-0.18	0.06	-5756.53	-8.90	118.36	1.28
242	82	0.38	-3.13e-04	-8206.56	-15.11	-251.90	-4.81
242	84	0.37	-1.06e-03	-8389.89	-22.85	-248.06	-4.95
245	3	-0.11	0.02	-7964.91	-61.53	72.40	-3.35e-03
245	4	0.35	-0.03	-1.157e+04	-40.41	-229.44	-11.12
245	5	-0.08	0.02	-5853.26	-34.49	53.52	0.24
245	6	0.38	-0.03	-9459.76	-13.37	-248.32	-10.88
245	13	-248.28	-21.65	-5075.12	-1.072e+04	1.238e+05	8655.88
245	16	248.60	21.65	-1.064e+04	1.067e+04	-1.240e+05	-8667.41
245	23	269.24	-140.35	-9776.85	-7.018e+04	-1.344e+05	-1.472e+04
245	35	92.56	-258.79	-7216.63	-1.292e+05	-4.624e+04	-7835.20
245	45	-108.09	-9.44	-6645.96	-4687.68	5.390e+04	3768.37
245	48	108.41	9.43	-9071.97	4633.51	-5.411e+04	-3779.89
245	55	117.41	-61.16	-8694.64	-3.059e+04	-5.861e+04	-6418.65
245	67	40.42	-112.76	-7579.08	-5.631e+04	-2.021e+04	-3417.28
245	77	-0.08	0.02	-5873.82	-35.45	53.69	0.22
245	78	0.16	-3.27e-03	-7797.28	-24.19	-107.30	-5.71
245	79	-0.08	0.02	-5935.50	-38.35	54.18	0.17
245	80	0.16	-4.36e-03	-7858.96	-27.08	-106.81	-5.76
245	81	-0.08	0.02	-5873.82	-35.45	53.69	0.22

245	82	0.22	-9.83e-03	-8278.15	-21.37	-147.54	-7.19
245	83	-0.08	0.02	-6079.41	-45.10	55.32	0.04
245	84	0.22	-0.01	-8483.74	-31.02	-145.91	-7.37
246	3	-0.08	-0.13	-8172.71	-162.89	50.64	-10.25
246	4	0.09	0.14	-1.173e+04	66.94	-60.09	-0.49
246	5	-0.06	-0.09	-5981.52	-109.14	38.73	-7.42
246	6	0.11	0.18	-9535.55	120.69	-72.00	2.34
246	13	-256.27	-30.26	-5402.62	-1.502e+04	1.279e+05	8664.50
246	16	256.34	30.36	-1.053e+04	1.503e+04	-1.279e+05	-8669.20
246	23	282.40	-125.54	-9436.11	-6.276e+04	-1.409e+05	-1.472e+04
246	34	-99.40	250.93	-9094.90	1.252e+05	4.962e+04	7823.31
246	45	-111.65	-13.16	-6850.60	-6537.71	5.570e+04	3774.05
246	48	111.71	13.26	-9086.86	6554.87	-5.574e+04	-3778.75
246	55	123.07	-54.68	-8608.11	-2.734e+04	-6.142e+04	-6416.25
246	66	-43.29	109.37	-8459.43	5.457e+04	2.161e+04	3407.52
246	77	-0.06	-0.09	-6004.45	-110.35	38.75	-7.45
246	79	-0.06	-0.09	-6073.25	-113.99	38.80	-7.56
246	80	0.03	0.05	-7968.73	8.58	-20.26	-2.35
246	81	-0.06	-0.09	-6004.45	-110.35	38.75	-7.45
246	83	-0.06	-0.10	-6233.78	-122.50	38.92	-7.80
246	84	0.06	0.08	-8603.13	30.72	-34.90	-1.30
248	1	-0.54	0.25	-7258.16	98.48	360.80	0.0
248	4	-1.74	-0.06	-1.301e+04	-59.15	1162.35	0.0
248	5	-0.41	0.19	-5569.49	78.04	274.62	0.0
248	13	-192.68	-92.16	-8944.81	-4.609e+04	9.640e+04	0.0
248	41	-42.46	-242.08	-9698.01	-1.209e+05	2.133e+04	0.0
248	44	40.38	242.14	-7513.54	1.209e+05	-1.994e+04	0.0
248	45	-84.55	-40.14	-8753.50	-2.008e+04	4.240e+04	0.0
248	73	-19.09	-105.46	-9081.70	-5.269e+04	9685.24	0.0
248	76	17.00	105.53	-8129.86	5.269e+04	-8294.19	0.0
248	77	-0.42	0.19	-5577.24	76.75	276.27	0.0
248	80	-1.04	0.03	-8605.78	-0.86	695.52	0.0
248	81	-0.42	0.19	-5577.24	76.75	276.27	0.0
248	84	-1.22	-0.01	-9411.34	-28.34	810.63	0.0
249	3	-0.10	-0.76	-8206.56	-582.42	63.73	1.97
249	4	-0.23	0.50	-1.173e+04	311.63	154.65	-0.76
249	5	-0.07	-0.56	-6004.50	-420.86	46.47	1.49
249	22	-282.66	50.60	-8938.35	2.518e+04	1.411e+05	1.471e+04
249	38	-64.11	219.50	-9754.31	1.095e+05	3.200e+04	-419.36
249	39	63.81	-219.29	-6196.77	-1.094e+05	-3.181e+04	419.45
249	44	97.59	226.79	-9459.40	1.131e+05	-4.870e+04	-7432.07
249	54	-123.24	22.11	-8395.07	1.100e+04	6.154e+04	6411.66
249	70	-28.02	95.71	-8750.60	4.773e+04	1.400e+04	-182.70
249	71	27.72	-95.49	-7200.48	-4.763e+04	-1.381e+04	182.79
249	76	42.44	98.88	-8622.10	4.933e+04	-2.117e+04	-3238.34
249	77	-0.07	-0.56	-6027.66	-422.90	46.66	1.49
249	79	-0.07	-0.56	-6097.15	-429.02	47.24	1.50
249	80	-0.15	0.11	-7975.54	47.81	95.72	0.04
249	81	-0.07	-0.56	-6027.66	-422.90	46.66	1.49
249	83	-0.08	-0.58	-6259.29	-443.31	48.58	1.51
249	84	-0.17	0.26	-8607.28	152.73	109.19	-0.31
250	1	0.40	-1.20	-6503.50	-863.92	-266.97	0.0
250	4	0.20	-2.58	-1.244e+04	-1746.49	-130.12	0.0
250	5	0.31	-0.92	-4997.32	-661.63	-205.59	0.0
250	16	174.57	73.12	-7932.40	3.622e+04	-8.728e+04	0.0
250	38	-68.36	218.29	-6722.19	1.087e+05	3.417e+04	0.0
250	39	68.77	-221.59	-9577.36	-1.109e+05	-3.444e+04	0.0
250	41	-26.24	-228.78	-9481.57	-1.145e+05	1.304e+04	0.0
250	48	76.18	30.93	-8055.06	1.515e+04	-3.811e+04	0.0
250	70	-29.68	94.18	-7527.74	4.671e+04	1.482e+04	0.0
250	71	30.08	-97.49	-8771.82	-4.897e+04	-1.508e+04	0.0
250	73	-11.32	-100.62	-8730.08	-5.053e+04	5608.85	0.0
250	77	0.31	-0.92	-5000.36	-663.28	-205.46	0.0
250	80	0.20	-1.65	-8149.78	-1125.72	-133.14	0.0
250	81	0.31	-0.92	-5000.36	-663.28	-205.46	0.0
250	84	0.17	-1.84	-8956.10	-1251.66	-114.23	0.0
252	1	0.24	0.17	-7409.16	45.08	-163.42	0.51
252	4	-0.93	0.08	-1.128e+04	34.30	618.46	8.81
252	5	0.18	0.13	-5670.70	35.62	-125.29	0.36
252	6	-0.99	0.04	-9296.64	32.84	660.19	8.40
252	18	-233.38	21.20	-9781.76	1.047e+04	1.165e+05	8788.53
252	19	232.50	-21.04	-5556.87	-1.041e+04	-1.159e+05	-8779.09
252	22	-242.88	-8.65	-9730.23	-4431.46	1.212e+05	1.472e+04
252	44	77.23	256.96	-7660.57	1.283e+05	-3.848e+04	-7428.69
252	50	-101.94	9.29	-8589.76	4581.98	5.091e+04	3832.08
252	51	101.06	-9.12	-6748.86	-4517.98	-5.033e+04	-3822.64
252	54	-106.08	-3.72	-8567.31	-1912.86	5.299e+04	6418.43

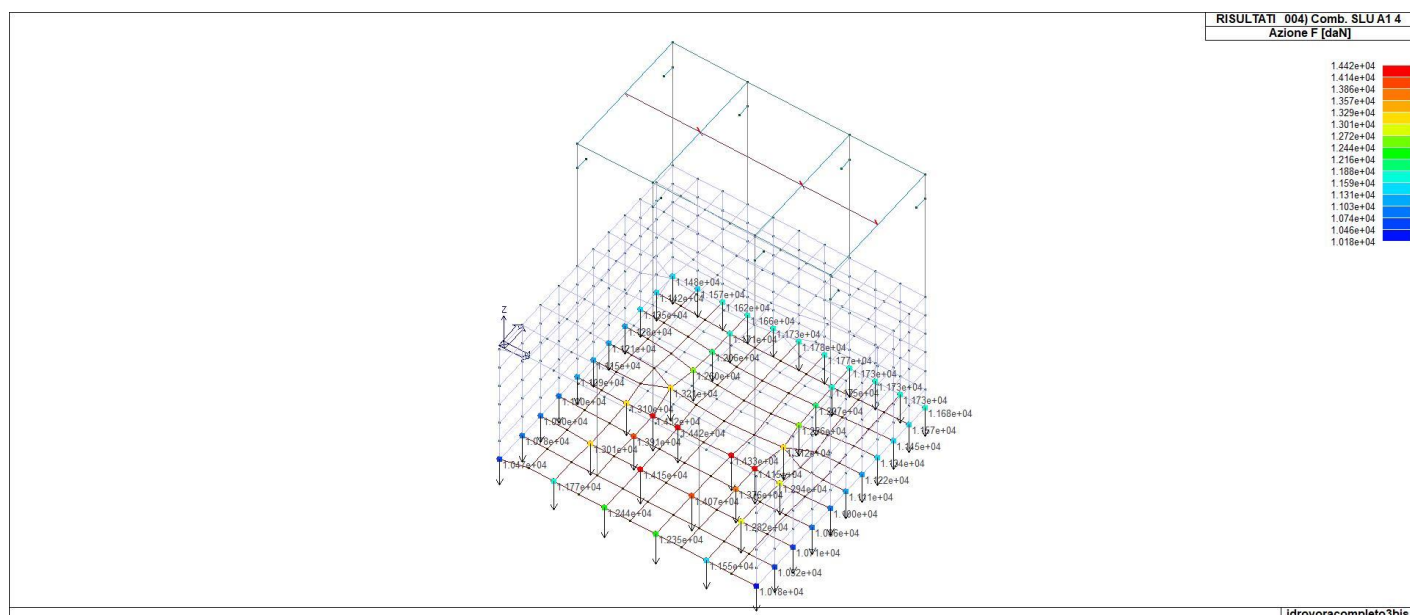
252	76	33.40	112.01	-7665.50	5.591e+04	-1.660e+04	-3234.23
252	77	0.19	0.13	-5686.89	35.09	-125.52	0.38
252	78	-0.44	0.08	-7620.73	33.60	293.39	4.67
252	80	-0.44	0.08	-7669.31	32.00	292.68	4.72
252	81	0.19	0.13	-5686.89	35.09	-125.52	0.38
252	82	-0.60	0.07	-8104.19	33.23	398.12	5.74
252	84	-0.59	0.07	-8266.13	27.90	395.73	5.91
Nodo							
		Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		-282.66	-258.98	-1.442e+04	-1.293e+05	-1.411e+05	-1.474e+04
		282.62	258.88	-4380.51	1.292e+05	1.411e+05	1.474e+04
Nodo							
	Cmb	Azione X	Azione Y	Azione Z	Azione RX	Azione RY	Azione RZ
		daN	daN	daN	daN cm	daN cm	daN cm
23	4	-1.01	0.38	-1.432e+04	231.47	676.50	2.43
	5	-0.09	0.47	-6078.61	261.34	61.11	0.51
	41	-58.25	-234.73	-9807.16	-1.172e+05	2.917e+04	7448.42
	44	57.13	235.40	-9022.25	1.176e+05	-2.842e+04	-7445.53
	16	209.82	84.15	-9237.60	4.210e+04	-1.047e+05	-8679.27
	13	-210.95	-83.47	-9591.81	-4.169e+04	1.055e+05	8682.16
26	4	1.05	0.35	-1.415e+04	211.75	-697.58	0.21
	5	0.09	0.46	-6052.79	256.66	-63.70	-0.21
	35	57.83	-235.54	-9718.48	-1.176e+05	-2.897e+04	-7840.49
	34	-56.67	236.18	-8915.77	1.180e+05	2.819e+04	7840.59
	16	211.02	48.43	-9282.42	2.418e+04	-1.055e+05	-8680.10
	13	-209.86	-47.79	-9351.84	-2.380e+04	1.047e+05	8680.20
141	4	-1.60	0.04	-1.109e+04	7.44	1065.52	4.95
	5	-0.14	0.16	-5410.00	56.83	94.26	2.75
	41	-58.31	-256.81	-8469.06	-1.282e+05	2.921e+04	7435.60
	44	56.54	256.95	-6569.14	1.283e+05	-2.803e+04	-7428.74
	16	208.54	109.92	-6037.95	5.494e+04	-1.039e+05	-8662.42
	13	-210.32	-109.78	-9000.26	-5.489e+04	1.050e+05	8669.28
142	4	-0.33	0.15	-1.148e+04	80.07	218.26	11.27
	19	256.31	-21.10	-4719.66	-1.045e+04	-1.278e+05	-8786.00
	41	-97.65	-256.33	-6858.06	-1.279e+05	4.873e+04	7458.78
	44	97.26	256.56	-8819.45	1.280e+05	-4.848e+04	-7444.09
	23	281.79	8.70	-8483.68	4422.27	-1.405e+05	-1.472e+04
	22	-282.18	-8.47	-1.083e+04	-4313.07	1.408e+05	1.474e+04
143	4	-0.16	0.20	-1.166e+04	109.58	106.98	2.20
	39	63.82	-219.84	-5977.83	-1.097e+05	-3.181e+04	421.64
	41	-97.81	-234.37	-6575.87	-1.170e+05	4.884e+04	7435.57
	44	97.63	234.26	-9287.54	1.169e+05	-4.872e+04	-7430.22
	23	282.29	-35.42	-6474.77	-1.762e+04	-1.409e+05	-1.471e+04
	22	-282.47	35.31	-9388.65	1.750e+04	1.410e+05	1.472e+04
144	4	0.10	0.15	-1.173e+04	74.42	-62.62	0.99
	5	-5.97e-03	-0.57	-5982.45	-427.83	2.97	-4.67
	35	99.46	-235.19	-6607.49	-1.174e+05	-4.966e+04	-7826.70
	34	-99.37	235.03	-9335.72	1.172e+05	4.960e+04	7825.02
	23	282.45	-96.17	-8457.89	-4.809e+04	-1.410e+05	-1.472e+04
	22	-282.36	96.00	-7485.32	4.793e+04	1.409e+05	1.472e+04
145	4	0.26	0.08	-1.168e+04	29.42	-171.47	-8.00
	13	-255.85	-21.73	-4809.58	-1.077e+04	1.276e+05	8669.95
	35	99.30	-258.34	-6938.71	-1.289e+05	-4.955e+04	-7849.94
	34	-98.99	258.48	-8941.28	1.290e+05	4.935e+04	7839.05
	23	282.09	-139.92	-9935.11	-6.989e+04	-1.407e+05	-1.474e+04
	22	-281.78	140.07	-5944.88	6.994e+04	1.405e+05	1.473e+04
146	4	1.67	-2.05	-1.155e+04	-1389.49	-1115.39	0.0
	5	0.45	-0.75	-4914.21	-552.61	-301.97	0.0
	35	25.03	-244.58	-9421.99	-1.223e+05	-1.258e+04	0.0
	34	-22.99	241.94	-5892.38	1.205e+05	1.122e+04	0.0
	16	175.17	37.94	-6906.37	1.864e+04	-8.768e+04	0.0
	13	-173.13	-40.58	-8408.00	-2.045e+04	8.632e+04	0.0
147	4	1.52	-0.04	-1.100e+04	-46.87	-1011.57	-2.33
	5	0.14	0.14	-5339.27	43.13	-95.94	-2.47
	35	57.84	-258.83	-8412.34	-1.292e+05	-2.897e+04	-7826.99
	34	-56.15	258.87	-6493.04	1.292e+05	2.785e+04	7823.10
	16	210.34	21.77	-8594.32	1.075e+04	-1.051e+05	-8668.61
	13	-208.66	-21.73	-6311.06	-1.077e+04	1.039e+05	8664.72
148	4	-1.69	-0.02	-1.100e+04	-35.33	1129.41	3.60
	5	-0.23	0.12	-5304.69	31.60	154.15	2.21
	41	-50.52	-256.87	-8772.80	-1.282e+05	2.532e+04	7434.59
	44	48.59	256.92	-6138.85	1.282e+05	-2.404e+04	-7429.42
	16	199.41	109.88	-6090.53	5.491e+04	-9.928e+04	-8662.13
	13	-201.33	-109.83	-8821.12	-5.492e+04	1.006e+05	8667.30
152	4	0.93	1.15	-1.256e+04	741.00	-616.34	0.0
	5	-0.03	0.53	-5187.90	300.19	15.66	0.0

	35	76.63	-235.60	-8072.19	-1.176e+05	-3.836e+04	0.0
	34	-75.66	237.12	-8353.87	1.185e+05	3.771e+04	0.0
	23	239.35	-96.47	-8527.33	-4.814e+04	-1.196e+05	0.0
	22	-238.38	97.99	-7898.73	4.910e+04	1.190e+05	0.0
153	4	0.61	0.92	-1.207e+04	588.09	-407.87	0.0
	5	-0.07	0.05	-5186.66	-18.48	43.95	0.0
	35	84.35	-235.38	-7514.07	-1.175e+05	-4.219e+04	0.0
	34	-83.74	236.38	-8366.88	1.181e+05	4.178e+04	0.0
	23	253.94	-96.13	-8318.49	-4.801e+04	-1.268e+05	0.0
	22	-253.32	97.14	-7562.46	4.863e+04	1.264e+05	0.0
155	4	-1.15	1.19	-1.321e+04	773.56	767.46	0.0
	5	-0.06	0.84	-5477.34	507.65	41.10	0.0
	41	-68.23	-235.90	-8756.96	-1.177e+05	3.418e+04	0.0
	44	66.98	237.64	-8539.37	1.188e+05	-3.335e+04	0.0
	23	222.49	-31.55	-8359.99	-1.559e+04	-1.110e+05	0.0
	22	-223.74	33.29	-8936.35	1.670e+04	1.118e+05	0.0
158	4	-0.92	1.23	-1.260e+04	794.39	612.78	0.0
	5	0.02	0.53	-5201.86	302.79	-16.40	0.0
	41	-76.19	-234.78	-8090.95	-1.172e+05	3.814e+04	0.0
	44	75.22	236.38	-8377.76	1.182e+05	-3.750e+04	0.0
	23	238.48	-33.77	-7761.29	-1.670e+04	-1.190e+05	0.0
	22	-239.45	35.37	-8707.42	1.771e+04	1.196e+05	0.0
159	4	-1.44	0.06	-1.115e+04	20.51	958.48	6.60
	5	-0.02	0.17	-5495.29	63.42	13.69	2.96
	41	-64.93	-256.79	-8202.39	-1.282e+05	3.251e+04	7436.72
	44	63.40	256.95	-6933.73	1.283e+05	-3.149e+04	-7428.06
	19	216.42	-21.08	-6096.48	-1.044e+04	-1.078e+05	-8780.64
	18	-217.95	21.24	-9039.64	1.050e+04	1.088e+05	8789.30
162	4	-1.20	0.09	-1.121e+04	35.50	799.39	7.81
	5	0.11	0.16	-5581.50	58.42	-73.72	2.08
	41	-71.52	-256.78	-7939.60	-1.282e+05	3.578e+04	7437.41
	44	70.31	256.96	-7296.71	1.283e+05	-3.498e+04	-7428.02
	23	228.60	8.80	-5857.56	4485.29	-1.139e+05	-1.472e+04
	22	-229.81	-8.61	-9378.75	-4407.73	1.147e+05	1.473e+04
168	4	-0.67	0.07	-1.135e+04	22.59	445.39	10.78
	19	240.57	-21.03	-5283.38	-1.041e+04	-1.199e+05	-8776.53
	41	-84.71	-256.80	-7418.41	-1.282e+05	4.234e+04	7439.92
	44	84.09	256.92	-8029.96	1.282e+05	-4.193e+04	-7429.14
	23	255.41	8.82	-5357.53	4500.32	-1.274e+05	-1.471e+04
	22	-256.03	-8.70	-1.009e+04	-4466.09	1.278e+05	1.472e+04
171	4	-0.42	0.05	-1.142e+04	13.51	278.03	14.35
	19	248.64	-21.02	-5007.42	-1.040e+04	-1.240e+05	-8771.92
	41	-91.27	-256.77	-7157.26	-1.282e+05	4.559e+04	7444.13
	44	90.85	256.85	-8411.23	1.282e+05	-4.532e+04	-7428.92
	23	268.82	8.82	-5104.85	4502.50	-1.341e+05	-1.471e+04
	22	-269.23	-8.74	-1.046e+04	-4492.18	1.344e+05	1.472e+04
173	4	1.24	-0.13	-1.376e+04	-109.51	-826.25	0.0
	5	0.18	0.10	-5779.15	13.80	-120.42	0.0
	35	49.40	-235.78	-9686.68	-1.178e+05	-2.476e+04	0.0
	34	-47.98	235.71	-8405.08	1.177e+05	2.382e+04	0.0
	16	201.90	48.24	-8850.89	2.403e+04	-1.010e+05	0.0
	13	-200.49	-48.30	-9240.86	-2.412e+04	1.001e+05	0.0
175	4	1.78	0.27	-1.294e+04	154.68	-1187.57	0.0
	5	0.42	0.37	-5642.69	196.56	-278.73	0.0
	35	57.85	-243.44	-9104.33	-1.216e+05	-2.904e+04	0.0
	34	-55.74	243.94	-8014.49	1.219e+05	2.763e+04	0.0
	16	210.91	39.48	-8765.65	1.968e+04	-1.055e+05	0.0
	13	-208.79	-38.98	-8353.17	-1.939e+04	1.041e+05	0.0
177	4	-1.80	0.32	-1.310e+04	189.38	1201.66	0.0
	5	-0.41	0.38	-5684.57	205.55	270.07	0.0
	41	-58.34	-242.18	-9191.27	-1.209e+05	2.929e+04	0.0
	44	56.20	242.74	-8124.24	1.213e+05	-2.787e+04	0.0
	16	208.73	92.87	-8201.37	4.646e+04	-1.040e+05	0.0
	13	-210.86	-92.31	-9114.15	-4.613e+04	1.055e+05	0.0
179	4	-0.63	0.98	-1.206e+04	632.84	420.77	0.0
	5	0.06	0.05	-5197.82	-15.62	-41.28	0.0
	41	-83.49	-234.57	-7513.46	-1.171e+05	4.176e+04	0.0
	44	82.86	235.64	-8365.15	1.177e+05	-4.134e+04	0.0
	23	253.34	-34.55	-7209.55	-1.711e+04	-1.264e+05	0.0
	22	-253.98	35.62	-8669.06	1.778e+04	1.269e+05	0.0
183	4	-1.54	-2.03	-1.177e+04	-1374.60	1026.86	0.0
	5	-0.41	-0.74	-4990.54	-542.95	269.85	0.0
	41	-27.04	-243.38	-9536.79	-1.217e+05	1.358e+04	0.0
	44	25.17	240.77	-6062.01	1.200e+05	-1.233e+04	0.0
	16	172.94	91.13	-7538.37	4.530e+04	-8.619e+04	0.0
	13	-174.80	-93.74	-8060.44	-4.709e+04	8.744e+04	0.0
190	4	0.48	-0.37	-1.407e+04	-269.41	-321.20	0.0

	5	-0.07	0.10	-5709.63	19.31	46.21	0.0
	35	40.55	-228.04	-9982.03	-1.140e+05	-2.028e+04	0.0
	34	-40.09	227.72	-8426.46	1.137e+05	1.997e+04	0.0
	16	192.39	56.87	-8871.76	2.834e+04	-9.622e+04	0.0
	13	-191.92	-57.18	-9536.73	-2.860e+04	9.591e+04	0.0
194	4	-0.33	-0.37	-1.415e+04	-272.99	220.99	0.0
	5	0.08	0.11	-5726.62	22.45	-57.05	0.0
	41	-41.76	-227.64	-1.003e+04	-1.138e+05	2.087e+04	0.0
	44	41.47	227.32	-8484.30	1.135e+05	-2.067e+04	0.0
	16	191.92	74.74	-9127.16	3.729e+04	-9.591e+04	0.0
	13	-192.21	-75.06	-9382.67	-3.756e+04	9.610e+04	0.0
196	4	-1.16	-0.14	-1.391e+04	-119.11	770.94	0.0
	5	-0.17	0.10	-5809.10	18.75	110.76	0.0
	41	-50.23	-234.98	-9768.12	-1.174e+05	2.517e+04	0.0
	44	48.91	234.90	-8507.27	1.173e+05	-2.429e+04	0.0
	16	200.44	83.61	-8970.61	4.176e+04	-1.000e+05	0.0
	13	-201.76	-83.69	-9304.77	-4.186e+04	1.009e+05	0.0
198	4	-0.06	0.20	-1.162e+04	113.67	33.95	5.06
	39	63.88	-220.23	-5779.24	-1.099e+05	-3.186e+04	423.21
	41	-97.76	-241.80	-6680.77	-1.207e+05	4.881e+04	7437.78
	44	97.74	241.82	-9141.99	1.207e+05	-4.880e+04	-7427.58
	23	282.39	-20.61	-5958.32	-1.021e+04	-1.409e+05	-1.471e+04
	22	-282.41	20.63	-9864.43	1.017e+04	1.409e+05	1.472e+04
199	4	-0.17	0.21	-1.157e+04	118.55	108.62	3.56
	19	256.73	-29.75	-5331.78	-1.475e+04	-1.281e+05	-8780.61
	41	-97.82	-249.21	-6778.27	-1.244e+05	4.884e+04	7436.87
	44	97.66	249.40	-8997.39	1.245e+05	-4.875e+04	-7428.56
	23	282.26	-5.83	-5433.24	-2812.76	-1.408e+05	-1.472e+04
	22	-282.41	6.02	-1.034e+04	2891.01	1.409e+05	1.472e+04
200	4	0.66	0.39	-1.433e+04	236.72	-440.95	0.0
	5	-0.12	0.51	-5827.04	287.36	77.25	0.0
	35	58.02	-227.97	-9633.08	-1.138e+05	-2.903e+04	0.0
	34	-57.38	228.67	-9061.58	1.143e+05	2.861e+04	0.0
	16	211.48	56.93	-9231.94	2.846e+04	-1.057e+05	0.0
	13	-210.84	-56.23	-9462.72	-2.803e+04	1.053e+05	0.0
201	4	1.17	1.11	-1.312e+04	712.95	-777.58	0.0
	5	0.06	0.83	-5457.91	503.07	-44.43	0.0
	35	68.27	-236.84	-8707.21	-1.182e+05	-3.420e+04	0.0
	34	-66.99	238.48	-8477.15	1.192e+05	3.335e+04	0.0
	23	223.63	-98.70	-8888.22	-4.923e+04	-1.118e+05	0.0
	22	-222.36	100.34	-8296.14	5.028e+04	1.109e+05	0.0
204	4	1.65	-0.17	-1.071e+04	-135.08	-1099.26	0.12
	5	0.27	0.07	-5091.30	-5.60	-183.00	-1.25
	35	41.39	-258.92	-8954.60	-1.293e+05	-2.075e+04	-7825.58
	34	-39.48	258.78	-5537.73	1.291e+05	1.947e+04	7824.92
	16	192.42	21.69	-7644.49	1.070e+04	-9.614e+04	-8664.42
	13	-190.51	-21.83	-6847.85	-1.084e+04	9.487e+04	8663.76
205	4	1.64	-0.10	-1.086e+04	-87.81	-1089.07	-1.22
	5	0.24	0.10	-5220.45	16.90	-158.40	-1.96
	35	49.65	-258.89	-8688.53	-1.293e+05	-2.488e+04	-7826.10
	34	-47.78	258.84	-6023.50	1.292e+05	2.364e+04	7823.62
	16	201.43	21.73	-8125.92	1.073e+04	-1.006e+05	-8666.64
	13	-199.56	-21.78	-6586.10	-1.080e+04	9.938e+04	8664.16
209	4	1.12	9.80e-04	-1.122e+04	-23.16	-744.14	-4.84
	5	-0.12	0.14	-5532.51	45.53	75.53	-1.74
	35	71.76	-258.80	-7930.11	-1.292e+05	-3.590e+04	-7828.64
	34	-70.64	258.88	-7287.66	1.292e+05	3.515e+04	7822.63
	23	229.79	-140.27	-9259.70	-7.012e+04	-1.147e+05	-1.472e+04
	22	-228.67	140.36	-5958.06	7.013e+04	1.140e+05	1.472e+04
210	4	0.85	-1.37e-04	-1.134e+04	-23.94	-566.78	-5.79
	13	-232.35	-21.67	-5577.60	-1.074e+04	1.158e+05	8662.95
	35	78.70	-258.81	-7692.08	-1.292e+05	-3.935e+04	-7829.34
	34	-77.91	258.88	-7684.92	1.292e+05	3.882e+04	7823.34
	23	242.90	-140.31	-9425.24	-7.015e+04	-1.212e+05	-1.472e+04
	22	-242.10	140.37	-5951.75	7.014e+04	1.207e+05	1.472e+04
214	4	1.35	-0.02	-1.111e+04	-36.57	-901.01	-3.76
	5	0.02	0.15	-5435.63	50.23	-13.50	-2.65
	35	64.81	-258.81	-8169.25	-1.292e+05	-3.244e+04	-7828.02
	34	-63.37	258.87	-6891.18	1.292e+05	3.148e+04	7822.57
	16	217.93	21.78	-8991.51	1.076e+04	-1.088e+05	-8669.86
	13	-216.49	-21.71	-6068.92	-1.076e+04	1.078e+05	8664.41
218	4	-0.03	-2.58	-1.235e+04	-1743.35	22.94	0.0
	5	-0.29	-0.92	-4976.09	-662.51	188.97	0.0
	35	24.24	-229.18	-9441.46	-1.147e+05	-1.206e+04	0.0
	34	-24.45	225.88	-6755.37	1.125e+05	1.220e+04	0.0
	16	174.38	55.32	-7525.16	2.730e+04	-8.716e+04	0.0
	13	-174.60	-58.62	-8671.67	-2.955e+04	8.730e+04	0.0

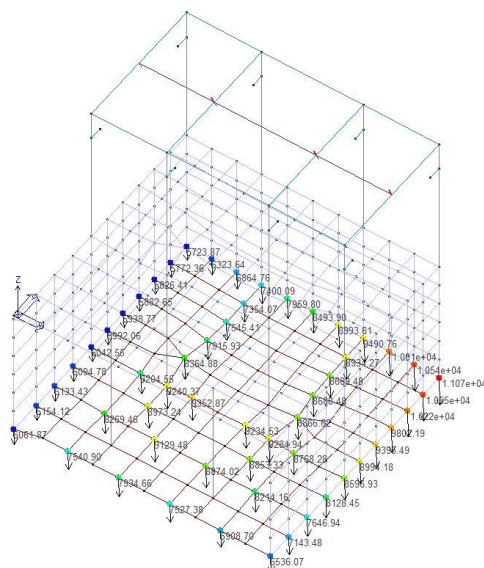
220	4	1.22	-0.90	-1.018e+04	-615.52	-814.00	-34.39
	34	-23.41	257.66	-4380.51	1.284e+05	1.150e+04	7793.23
	35	24.77	-258.78	-9380.04	-1.292e+05	-1.241e+04	-7838.01
	34	-23.41	257.66	-4380.51	1.284e+05	1.150e+04	7793.23
	16	173.69	20.95	-6533.72	1.021e+04	-8.669e+04	-8659.50
	13	-172.33	-22.07	-7226.83	-1.099e+04	8.579e+04	8614.71
221	4	1.49	-0.34	-1.052e+04	-245.20	-990.29	-2.03
	5	0.23	-0.01	-4947.70	-55.63	-153.73	-1.77
	35	33.04	-258.98	-9205.46	-1.293e+05	-1.656e+04	-7826.72
	34	-31.33	258.61	-5023.98	1.290e+05	1.542e+04	7823.48
	16	183.25	21.56	-7141.10	1.061e+04	-9.155e+04	-8661.52
	13	-181.54	-21.92	-7088.34	-1.090e+04	9.041e+04	8658.28
224	4	-0.51	0.41	-1.442e+04	250.77	341.34	0.0
	5	0.12	0.51	-5840.04	290.41	-82.30	0.0
	41	-58.38	-227.55	-9683.08	-1.136e+05	2.920e+04	0.0
	44	57.90	228.28	-9122.11	1.141e+05	-2.888e+04	0.0
	16	210.89	75.75	-9350.18	3.789e+04	-1.054e+05	0.0
	13	-211.37	-75.02	-9455.01	-3.745e+04	1.057e+05	0.0
227	4	0.17	0.48	-1.177e+04	292.28	-112.69	4.03
	5	0.05	-0.56	-6002.97	-422.33	-37.29	-1.09
	35	99.54	-226.99	-6507.39	-1.133e+05	-4.971e+04	-7823.26
	34	-99.33	227.18	-9483.04	1.133e+05	4.957e+04	7826.90
	23	282.62	-80.85	-7992.20	-4.039e+04	-1.411e+05	-1.471e+04
	22	-282.41	81.04	-7998.24	4.046e+04	1.409e+05	1.472e+04
228	4	-0.03	0.70	-1.178e+04	443.73	20.22	1.66
	5	-9.60e-03	-0.51	-6015.01	-388.32	4.52	0.19
	39	63.96	-218.82	-6391.60	-1.091e+05	-3.191e+04	420.45
	38	-64.00	219.27	-9615.34	1.094e+05	3.193e+04	-418.57
	23	282.52	-65.49	-7521.42	-3.265e+04	-1.410e+05	-1.471e+04
	22	-282.56	65.94	-8485.52	3.291e+04	1.410e+05	1.471e+04
229	4	-1.68	-0.09	-1.090e+04	-78.59	1119.53	1.97
	5	-0.27	0.09	-5190.42	11.95	176.08	1.40
	41	-42.66	-256.90	-9068.12	-1.283e+05	2.138e+04	7433.83
	44	40.72	256.86	-5693.31	1.282e+05	-2.009e+04	-7430.86
	16	190.33	109.83	-6129.49	5.488e+04	-9.475e+04	-8662.19
	13	-192.26	-109.87	-8631.93	-5.495e+04	9.604e+04	8665.15
231	4	0.31	0.52	-1.175e+04	319.88	-203.52	0.0
	5	-0.05	-0.42	-5458.57	-328.00	35.09	0.0
	35	91.80	-235.28	-7031.72	-1.175e+05	-4.587e+04	0.0
	34	-91.50	235.60	-8655.08	1.176e+05	4.568e+04	0.0
	23	268.04	-96.09	-8286.87	-4.805e+04	-1.338e+05	0.0
	22	-267.75	96.41	-7399.93	4.821e+04	1.337e+05	0.0
233	4	-0.02	0.14	-1.173e+04	67.33	12.97	-1.96
	29	-62.23	-221.46	-5824.43	-1.105e+05	3.104e+04	-814.37
	35	99.41	-243.02	-6728.50	-1.213e+05	-4.963e+04	-7828.93
	34	-99.48	242.97	-9214.62	1.212e+05	4.968e+04	7822.34
	23	282.40	-110.88	-8947.19	-5.545e+04	-1.409e+05	-1.472e+04
	22	-282.47	110.83	-6995.92	5.536e+04	1.410e+05	1.471e+04
236	4	1.81	-0.07	-1.282e+04	-71.60	-1204.43	0.0
	5	0.44	0.18	-5514.14	68.01	-292.14	0.0
	35	41.22	-243.26	-9597.79	-1.215e+05	-2.071e+04	0.0
	34	-39.05	243.30	-7382.59	1.215e+05	1.926e+04	0.0
	16	192.92	39.69	-8211.79	1.975e+04	-9.656e+04	0.0
	13	-190.75	-39.65	-8768.59	-1.977e+04	9.511e+04	0.0
237	4	-0.35	0.57	-1.171e+04	359.66	234.67	0.0
	5	0.04	-0.41	-5467.56	-325.73	-27.74	0.0
	41	-90.58	-234.42	-7013.21	-1.170e+05	4.527e+04	0.0
	44	90.23	234.80	-8633.35	1.172e+05	-4.503e+04	0.0
	23	267.78	-35.24	-6771.26	-1.749e+04	-1.337e+05	0.0
	22	-268.14	35.62	-8875.31	1.770e+04	1.339e+05	0.0
239	2	-1.03	-0.83	-1.047e+04	-557.88	689.66	35.99
	44	23.80	255.71	-4515.73	1.274e+05	-1.172e+04	-7399.48
	41	-24.94	-256.75	-9619.77	-1.282e+05	1.248e+04	7446.61
	44	23.80	255.71	-4515.73	1.274e+05	-1.172e+04	-7399.48
	16	170.13	109.25	-6058.50	5.450e+04	-8.466e+04	-8613.71
	13	-171.27	-110.29	-8077.00	-5.523e+04	8.543e+04	8660.84
240	4	-1.48	-0.22	-1.078e+04	-162.96	987.43	2.39
	5	-0.22	0.03	-5066.63	-25.48	144.68	1.22
	41	-34.70	-256.91	-9357.40	-1.283e+05	1.738e+04	7433.42
	44	33.01	256.70	-5224.23	1.281e+05	-1.625e+04	-7430.13
	16	181.34	109.73	-6150.47	5.481e+04	-9.028e+04	-8657.60
	13	-183.04	-109.94	-8431.17	-5.499e+04	9.141e+04	8660.89
242	4	0.60	-0.01	-1.145e+04	-33.27	-395.39	-7.69
	13	-240.32	-21.66	-5327.94	-1.073e+04	1.198e+05	8660.42
	35	85.65	-258.83	-7455.48	-1.292e+05	-4.281e+04	-7831.08
	34	-85.12	258.85	-8087.63	1.292e+05	4.246e+04	7823.82
	23	256.07	-140.35	-9597.72	-7.017e+04	-1.278e+05	-1.472e+04

245	22	-255.53	140.37	-5945.39	7.014e+04	1.274e+05	1.471e+04
	4	0.35	-0.03	-1.157e+04	-40.41	-229.44	-11.12
	13	-248.28	-21.65	-5075.12	-1.072e+04	1.238e+05	8655.88
	35	92.56	-258.79	-7216.63	-1.292e+05	-4.624e+04	-7835.20
246	34	-92.24	258.78	-8501.29	1.291e+05	4.602e+04	7823.68
	23	269.24	-140.35	-9776.85	-7.018e+04	-1.344e+05	-1.472e+04
	22	-268.92	140.34	-5941.08	7.012e+04	1.342e+05	1.471e+04
	4	0.09	0.14	-1.173e+04	66.94	-60.09	-0.49
248	13	-256.27	-30.26	-5402.62	-1.502e+04	1.279e+05	8664.50
	35	99.47	-250.83	-6842.57	-1.252e+05	-4.966e+04	-7828.01
	34	-99.40	250.93	-9094.90	1.252e+05	4.962e+04	7823.31
	23	282.40	-125.54	-9436.11	-6.276e+04	-1.409e+05	-1.472e+04
249	22	-282.34	125.64	-6501.36	6.278e+04	1.409e+05	1.472e+04
	4	-1.74	-0.06	-1.301e+04	-59.15	1162.35	0.0
	5	-0.41	0.19	-5569.49	78.04	274.62	0.0
	41	-42.46	-242.08	-9698.01	-1.209e+05	2.133e+04	0.0
250	44	40.38	242.14	-7513.54	1.209e+05	-1.994e+04	0.0
	16	190.60	92.22	-8266.75	4.609e+04	-9.501e+04	0.0
	13	-192.68	-92.16	-8944.81	-4.609e+04	9.640e+04	0.0
	4	-0.23	0.50	-1.173e+04	311.63	154.65	-0.76
252	5	-0.07	-0.56	-6004.50	-420.86	46.47	1.49
	41	-97.88	-226.58	-6491.68	-1.130e+05	4.889e+04	7432.15
	44	97.59	226.79	-9459.40	1.131e+05	-4.870e+04	-7432.07
	23	282.36	-50.38	-7012.73	-2.509e+04	-1.409e+05	-1.471e+04
250	22	-282.66	50.60	-8938.35	2.518e+04	1.411e+05	1.471e+04
	4	0.20	-2.58	-1.244e+04	-1746.49	-130.12	0.0
	5	0.31	-0.92	-4997.32	-661.63	-205.59	0.0
	41	-26.24	-228.78	-9481.57	-1.145e+05	1.304e+04	0.0
252	44	26.64	225.48	-6817.99	1.123e+05	-1.331e+04	0.0
	16	174.57	73.12	-7932.40	3.622e+04	-8.728e+04	0.0
	13	-174.17	-76.42	-8367.15	-3.847e+04	8.701e+04	0.0
	4	-0.93	0.08	-1.128e+04	34.30	618.46	8.81
252	19	232.50	-21.04	-5556.87	-1.041e+04	-1.159e+05	-8779.09
	41	-78.11	-256.80	-7678.05	-1.282e+05	3.906e+04	7438.13
	44	77.23	256.96	-7660.57	1.283e+05	-3.848e+04	-7428.69
	23	242.00	8.81	-5608.39	4495.46	-1.206e+05	-1.471e+04
252	22	-242.88	-8.65	-9730.23	-4431.46	1.212e+05	1.472e+04



42_RIS_REAZIONI_004_Comb. SLU A1 4

RISULTATI 016) Comb. SLU A1 (SLV sism.) 16
Azione F [daN]

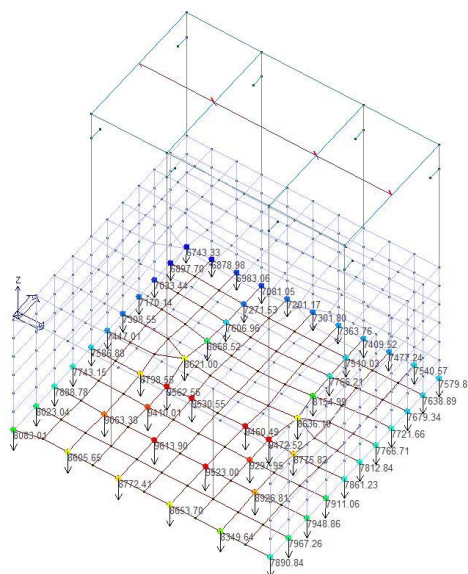


1.107e+04
1.072e+04
1.036e+04
1.000e+04
9646.85
9290.22
8933.58
8576.95
8220.31
7863.58
7507.05
7150.41
6793.78
6437.14
6080.51
5723.87

idrovoracompleto3bis

42_RIS_REAZIONI_016_Comb. SLU A1 (SLV sism.) 16

RISULTATI 071) Comb. SLE (SLD Danno sism.) 71
Azione F [daN]

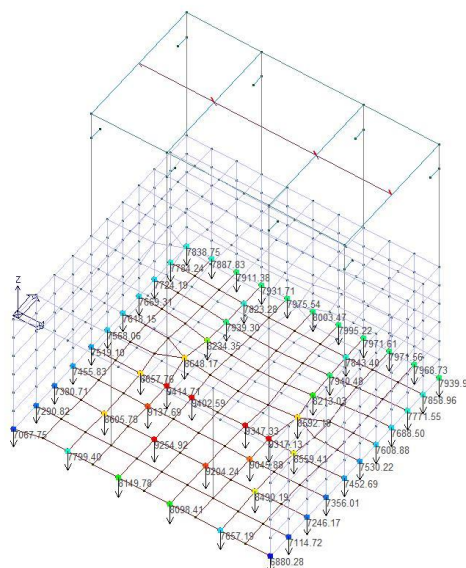


9613.90
9422.53
9231.15
9039.78
8848.41
8657.04
8465.67
8274.30
8082.93
7891.56
7700.18
7508.81
7317.44
7126.07
6934.70
6743.33

idrovoracompleto3bis

42_RIS_REAZIONI_071_Comb. SLE (SLD Danno sism.) 71

RISULTATI 080) Comb. SLE(perm.) 80
Azione F [daN]

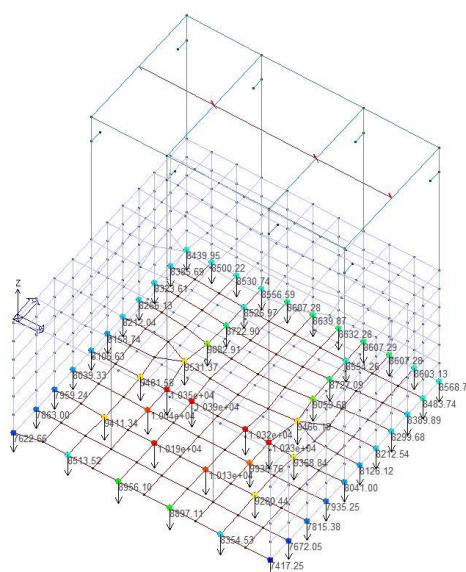


9414.71
9245.74
9076.78
8907.82
8738.86
8569.90
8400.93
8231.97
8063.01
7894.05
7725.09
7556.12
7387.16
7218.20
7049.24
6880.28

idrovoracompleto3bis

42_RIS_REAZIONI_080_Comb. SLE(perm.) 80

RISULTATI 084) Comb. SLE(rara) 84
Azione F [daN]



1.039e+04
1.019e+04
9989.34
9791.49
9593.64
9395.78
9197.93
9000.08
8802.22
8604.37
8406.51
8208.66
8010.81
7812.95
7615.10
7417.25

idrovoracompleto3bis

42_RIS_REAZIONI_084_Comb. SLE(rara) 84

RISULTATI OPERE DI FONDAZIONE

LEGENDA RISULTATI OPERE DI FONDAZIONE

Il controllo dei risultati delle analisi condotte, per quanto concerne le opere di fondazione, è possibile in relazione alle tabelle sotto riportate.

La prima tabella è riferita alle fondazioni tipo palo e plinto su pali.

Per questo tipo di fondazione vengono riportate le sei componenti di sollecitazione (esprese nel riferimento globale della struttura) per ogni palo componente l'opera.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	codice corrispondente al nome assegnato al tipo di plinto di fondazione: 3) palo singolo (<i>PALO</i>) 4) plinto su palo 5) plinto su due pali (<i>PL.2P</i>) 6) plinto su tre pali (<i>PL.3P</i>) 7) plinto su quattro pali (<i>PL.4P</i>) 8) plinto rettangolare su cinque pali (<i>PL.5P.R</i>) 9) plinto pentagonale su cinque pali (<i>PL.5P</i>) 10) plinto su sei pali (<i>PL.6P</i>)
Palo	numero del palo
Comb.	combinazione di carico in cui si verificano le sei componenti di sollecitazione.
Quota	quota assoluta della sezione del palo per cui si riportano le sei componenti di sollecitazione.

L'azione F_z (corrispondente allo sforzo normale nel palo) è costante poiché il peso del palo stesso non è considerato nella modellazione.

La seconda tabella è riferita alle fondazioni tipo plinto su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni nei quattro vertici dell'impronta sul terreno.

In particolare viene riportato:

Nodo	numero del nodo a cui è applicato il plinto
Tipo	Codice identificativo del nome assegnato al plinto
area	area dell'impronta del plinto
Wink O Wink V	coefficienti di Winkler (orizzontale e verticale) adottati
Comb	Combinazione di carico in cui si verificano i valori riportati
Pt (P1 P2 P3 P4)	valori di pressione nei vertici

La terza tabella è riferita alle fondazioni tipo platea su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni in ogni vertice (nodo) degli elementi costituenti la platea.

La quarta tabella è riferita alle fondazioni tipo trave su suolo elastico.

Per questo tipo di fondazione vengono riportate le pressioni alle estremità dell'elemento e la massima (in valore assoluto) pressione lungo lo sviluppo dell'elemento.

Vengono inoltre riportati, con funzione statistica, i valori massimo e minimo delle pressioni che compaiono nella tabella.

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
				cm	daN	daN	daN	daN cm	daN cm	daN cm
23	PALO D 20.00	1	3	-450.00	-0.14	0.63	-8182.80	-344.12	94.02	0.69
		1	4	-450.00	-1.01	0.38	-1.432e+04	-231.47	676.50	2.43
		1	5	-450.00	-0.09	0.47	-6078.61	-261.34	61.11	0.51
		1	13	-450.00	-210.95	-83.47	-9591.81	4.169e+04	1.055e+05	8682.16
		1	41	-450.00	-58.25	-234.73	-9807.16	1.172e+05	2.917e+04	7448.42
		1	44	-450.00	57.13	235.40	-9022.25	-1.176e+05	-2.842e+04	-7445.53
		1	45	-450.00	-92.23	-36.18	-9491.88	1.805e+04	4.616e+04	3783.88
		1	73	-450.00	-25.70	-102.09	-9585.71	5.096e+04	1.292e+04	3246.31
		1	76	-450.00	24.57	102.76	-9243.70	-5.136e+04	-1.217e+04	-3243.42
		1	77	-450.00	-0.10	0.47	-6094.83	-261.59	61.95	0.51
		1	79	-450.00	-0.10	0.47	-6143.49	-262.35	64.48	0.51
		1	80	-450.00	-0.56	0.34	-9414.71	-202.27	375.14	1.45
		1	81	-450.00	-0.10	0.47	-6094.83	-261.59	61.95	0.51
		1	83	-450.00	-0.11	0.48	-6257.03	-264.13	70.38	0.52
		1	84	-450.00	-0.69	0.32	-1.035e+04	-189.02	458.70	1.69
26	PALO D 20.00	1	3	-450.00	0.14	0.62	-8148.91	-337.97	-97.41	-0.30
		1	4	-450.00	1.05	0.35	-1.415e+04	-211.75	-697.58	0.21
		1	5	-450.00	0.09	0.46	-6052.79	-256.66	-63.70	-0.21
		1	16	-450.00	211.02	48.43	-9282.42	-2.418e+04	-1.055e+05	-8680.10
		1	34	-450.00	-56.67	236.18	-8915.77	-1.180e+05	2.819e+04	7840.59
		1	35	-450.00	57.83	-235.54	-9718.48	1.176e+05	-2.897e+04	-7840.49
		1	48	-450.00	92.28	21.28	-9302.00	-1.065e+04	-4.619e+04	-3782.14
		1	66	-450.00	-24.37	103.09	-9142.25	-5.153e+04	1.207e+04	3416.40
		1	67	-450.00	25.53	-102.45	-9492.01	5.114e+04	-1.284e+04	-3416.30
		1	77	-450.00	0.09	0.46	-6068.99	-256.91	-64.54	-0.21
		1	79	-450.00	0.10	0.47	-6117.60	-257.66	-67.07	-0.22
		1	80	-450.00	0.58	0.32	-9317.13	-190.34	-387.17	0.05
		1	81	-450.00	0.09	0.46	-6068.99	-256.91	-64.54	-0.21
		1	83	-450.00	0.11	0.48	-6231.00	-259.41	-72.98	-0.23
		1	84	-450.00	0.71	0.30	-1.023e+04	-175.26	-473.10	0.11
141	PALO D 20.00	1	1	-450.00	-0.19	0.21	-7056.09	-72.81	125.63	3.60
		1	4	-450.00	-1.60	0.04	-1.109e+04	-7.44	1065.52	4.95
		1	5	-450.00	-0.14	0.16	-5410.00	-56.83	94.26	2.75
		1	13	-450.00	-210.32	-109.78	-9000.26	5.489e+04	1.050e+05	8669.28
		1	25	-450.00	-203.80	-139.64	-9015.82	6.980e+04	1.018e+05	1.460e+04
		1	28	-450.00	202.03	139.78	-6022.39	-6.985e+04	-1.006e+05	-1.460e+04
		1	44	-450.00	56.54	256.95	-6569.14	-1.283e+05	-2.803e+04	-7428.74
		1	45	-450.00	-92.14	-47.80	-8164.49	2.390e+04	4.610e+04	3779.39
		1	57	-450.00	-89.30	-60.80	-8171.26	3.040e+04	4.468e+04	6365.73
		1	60	-450.00	87.53	60.94	-6866.94	-3.045e+04	-4.350e+04	-6358.88
		1	76	-450.00	24.14	112.00	-7105.18	-5.590e+04	-1.188e+04	-3234.98
		1	77	-450.00	-0.15	0.16	-5420.04	-56.37	95.60	2.76
		1	80	-450.00	-0.89	0.07	-7519.10	-23.85	590.16	3.43
		1	81	-450.00	-0.15	0.16	-5420.04	-56.37	95.60	2.76
		1	84	-450.00	-1.08	0.05	-8106.63	-12.79	722.20	3.66
142	PALO D 20.00	1	2	-450.00	-0.33	0.15	-1.114e+04	-91.30	214.49	10.68
		1	4	-450.00	-0.33	0.15	-1.148e+04	-80.07	218.26	11.27
		1	5	-450.00	-0.07	0.11	-5981.36	-26.04	42.27	5.03
		1	18	-450.00	-256.70	21.33	-1.096e+04	-1.056e+04	1.281e+05	8800.70
		1	19	-450.00	256.31	-21.10	-4719.66	1.045e+04	-1.278e+05	-8786.00
		1	22	-450.00	-282.18	-8.47	-1.083e+04	4313.07	1.408e+05	1.474e+04
		1	44	-450.00	97.26	256.56	-8819.45	-1.280e+05	-4.848e+04	-7444.09
		1	50	-450.00	-111.97	9.36	-9197.84	-4632.39	5.587e+04	3838.87
		1	51	-450.00	111.57	-9.13	-6479.67	4523.19	-5.562e+04	-3824.17
		1	54	-450.00	-123.07	-3.62	-9143.79	1848.52	6.142e+04	6426.09
		1	76	-450.00	42.27	111.86	-8266.07	-5.580e+04	-2.105e+04	-3239.46
		1	77	-450.00	-0.07	0.11	-6004.17	-25.29	42.52	5.07
		1	78	-450.00	-0.20	0.12	-7770.33	-56.85	127.30	7.23
		1	80	-450.00	-0.20	0.12	-7838.75	-54.60	128.05	7.35
		1	81	-450.00	-0.07	0.11	-6004.17	-25.29	42.52	5.07
		1	82	-450.00	-0.23	0.12	-8211.87	-64.74	148.50	7.77
		1	84	-450.00	-0.23	0.12	-8439.95	-57.25	151.01	8.16
143	PALO D 20.00	1	3	-450.00	-0.02	-0.77	-8180.13	588.71	8.85	6.88
		1	4	-450.00	-0.16	0.20	-1.166e+04	-109.58	106.98	2.20
		1	5	-450.00	-0.01	-0.56	-5985.57	424.40	5.50	5.12
		1	22	-450.00	-282.47	35.31	-9388.65	-1.750e+04	1.410e+05	1.472e+04
		1	38	-450.00	-64.00	219.74	-9885.58	-1.096e+05	3.193e+04	-416.29
		1	39	-450.00	63.82	-219.84	-5977.83	1.097e+05	-3.181e+04	421.64
		1	41	-450.00	-97.81	-234.37	-6575.87	1.170e+05	4.884e+04	7435.57
		1	54	-450.00	-123.13	15.35	-8566.54	-7590.14	6.146e+04	6415.17
		1	70	-450.00	-27.94	95.71	-8783.07	-4.771e+04	1.395e+04	-179.88
		1	71	-450.00	27.76	-95.82	-7080.35	4.783e+04	-1.383e+04	185.23
		1	73	-450.00	-42.67	-102.15	-7340.93	5.100e+04	2.131e+04	3241.41

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	77	-450.00	-0.01	-0.56	-6008.63	426.53	5.60	5.13
		1	79	-450.00	-0.01	-0.57	-6077.80	432.95	5.90	5.17
		1	80	-450.00	-0.09	-0.05	-7931.71	60.53	58.23	2.68
		1	81	-450.00	-0.01	-0.56	-6008.63	426.53	5.60	5.13
		1	83	-450.00	-0.01	-0.58	-6239.20	447.92	6.58	5.26
		1	84	-450.00	-0.11	0.06	-8556.59	-17.60	72.00	2.14
144	PALO D 20.00	1	3	-450.00	-5.39e-03	-0.77	-8176.23	593.21	2.36	-6.29
		1	4	-450.00	0.10	0.15	-1.173e+04	-74.42	-62.62	0.99
		1	5	-450.00	-5.97e-03	-0.57	-5982.45	427.83	2.97	-4.67
		1	8	-450.00	0.10	0.32	-9885.11	-207.70	-63.31	2.42
		1	23	-450.00	282.45	-96.17	-8457.89	4.809e+04	-1.410e+05	-1.472e+04
		1	29	-450.00	-62.16	-220.67	-6006.93	1.101e+05	3.099e+04	-812.78
		1	32	-450.00	62.26	220.50	-9936.28	-1.099e+05	-3.106e+04	811.09
		1	35	-450.00	99.46	-235.19	-6607.49	1.174e+05	-4.966e+04	-7826.70
		1	55	-450.00	123.10	-41.95	-8183.49	2.100e+04	-6.144e+04	-6413.40
		1	61	-450.00	-27.06	-96.20	-7115.54	4.802e+04	1.349e+04	-354.63
		1	64	-450.00	27.16	96.03	-8827.67	-4.786e+04	-1.355e+04	352.94
		1	67	-450.00	43.37	-102.53	-7377.22	5.120e+04	-2.166e+04	-3410.80
		1	77	-450.00	-5.83e-03	-0.57	-6005.52	429.97	2.88	-4.69
		1	79	-450.00	-5.42e-03	-0.57	-6074.72	436.39	2.62	-4.72
		1	80	-450.00	0.05	-0.08	-7971.61	80.32	-32.04	-0.84
		1	81	-450.00	-5.83e-03	-0.57	-6005.52	429.97	2.88	-4.69
		1	83	-450.00	-4.46e-03	-0.59	-6236.18	451.37	2.02	-4.81
		1	84	-450.00	0.06	0.02	-8607.29	6.29	-41.30	0.04
145	PALO D 20.00	1	2	-450.00	0.26	0.08	-1.133e+04	-40.83	-167.88	-7.41
		1	4	-450.00	0.26	0.08	-1.168e+04	-29.42	-171.47	-8.00
		1	5	-450.00	0.05	0.10	-5972.75	-14.11	-33.54	-4.50
		1	13	-450.00	-255.85	-21.73	-4809.58	1.077e+04	1.276e+05	8669.95
		1	16	-450.00	256.15	21.87	-1.107e+04	-1.082e+04	-1.278e+05	-8680.83
		1	23	-450.00	282.09	-139.92	-9935.11	6.989e+04	-1.407e+05	-1.474e+04
		1	34	-450.00	-98.99	258.48	-8941.28	-1.290e+05	4.935e+04	7839.05
		1	45	-450.00	-111.39	-9.43	-6575.98	4680.13	5.553e+04	3774.68
		1	48	-450.00	111.70	9.57	-9304.01	-4728.12	-5.573e+04	-3785.56
		1	55	-450.00	123.00	-60.93	-8809.32	3.044e+04	-6.138e+04	-6427.43
		1	66	-450.00	-43.05	112.67	-8376.28	-5.620e+04	2.145e+04	3412.63
		1	77	-450.00	0.05	0.10	-5995.58	-13.35	-33.78	-4.54
		1	78	-450.00	0.15	0.07	-7871.51	-26.28	-99.77	-5.33
		1	80	-450.00	0.15	0.07	-7939.99	-23.99	-100.49	-5.44
		1	81	-450.00	0.05	0.10	-5995.58	-13.35	-33.78	-4.54
		1	82	-450.00	0.18	0.07	-8340.50	-29.51	-116.26	-5.52
		1	84	-450.00	0.18	0.07	-8568.77	-21.90	-118.66	-5.91
146	PALO D 20.00	1	4	-450.00	1.67	-2.05	-1.155e+04	1389.49	-1115.39	0.0
		1	5	-450.00	0.45	-0.75	-4914.21	552.61	-301.97	0.0
		1	16	-450.00	175.17	37.94	-6906.37	-1.864e+04	-8.768e+04	0.0
		1	29	-450.00	-69.74	-223.13	-9523.30	1.116e+05	3.474e+04	0.0
		1	32	-450.00	71.78	220.49	-5791.08	-1.098e+05	-3.610e+04	0.0
		1	35	-450.00	25.03	-244.58	-9421.99	1.223e+05	-1.258e+04	0.0
		1	48	-450.00	76.90	15.79	-7330.04	-7611.70	-3.859e+04	0.0
		1	61	-450.00	-29.81	-97.97	-8470.31	4.914e+04	1.475e+04	0.0
		1	64	-450.00	31.85	95.33	-6844.07	-4.733e+04	-1.612e+04	0.0
		1	67	-450.00	11.48	-107.31	-8426.16	5.382e+04	-5867.74	0.0
		1	77	-450.00	0.45	-0.75	-4916.14	553.88	-303.22	0.0
		1	80	-450.00	1.02	-1.32	-7657.19	903.91	-680.91	0.0
		1	81	-450.00	0.45	-0.75	-4916.14	553.88	-303.22	0.0
		1	84	-450.00	1.18	-1.47	-8354.53	999.33	-783.19	0.0
147	PALO D 20.00	1	4	-450.00	1.52	-0.04	-1.100e+04	46.87	-1011.57	-2.33
		1	5	-450.00	0.14	0.14	-5339.27	-43.13	-95.94	-2.47
		1	8	-450.00	1.47	-0.08	-9376.88	58.69	-979.71	-1.56
		1	16	-450.00	210.34	21.77	-8594.32	-1.075e+04	-1.051e+05	-8668.61
		1	22	-450.00	-201.95	140.32	-5962.17	-7.011e+04	1.006e+05	1.472e+04
		1	23	-450.00	203.64	-140.28	-8943.22	7.013e+04	-1.017e+05	-1.472e+04
		1	35	-450.00	57.84	-258.83	-8412.34	1.292e+05	-2.897e+04	-7826.99
		1	48	-450.00	92.13	9.50	-7950.13	-4680.71	-4.609e+04	-3778.26
		1	54	-450.00	-87.52	61.16	-6803.23	-3.054e+04	4.351e+04	6411.74
		1	55	-450.00	89.21	-61.11	-8102.16	3.056e+04	-4.463e+04	-6415.62
		1	67	-450.00	25.68	-112.77	-7870.84	5.631e+04	-1.294e+04	-3411.54
		1	77	-450.00	0.14	0.14	-5349.27	-42.64	-97.28	-2.48
		1	80	-450.00	0.84	0.02	-7452.69	9.24	-561.92	-1.94
		1	81	-450.00	0.14	0.14	-5349.27	-42.64	-97.28	-2.48
		1	84	-450.00	1.03	-5.12e-03	-8041.00	25.24	-686.46	-1.87
148	PALO D 20.00	1	4	-450.00	-1.69	-0.02	-1.100e+04	35.33	1129.41	3.60
		1	5	-450.00	-0.23	0.12	-5304.69	-31.60	154.15	2.21
		1	8	-450.00	-1.62	-0.06	-9395.22	43.31	1079.82	2.93
		1	13	-450.00	-201.33	-109.83	-8821.12	5.492e+04	1.006e+05	8667.30

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	25	-450.00	-188.59	-139.68	-8862.62	6.983e+04	9.420e+04	1.460e+04
		1	28	-450.00	186.66	139.73	-6049.03	-6.982e+04	-9.292e+04	-1.460e+04
		1	41	-450.00	-50.52	-256.87	-8772.80	1.282e+05	2.532e+04	7434.59
		1	45	-450.00	-88.27	-47.84	-8050.72	2.394e+04	4.418e+04	3778.06
		1	57	-450.00	-82.72	-60.85	-8068.81	3.043e+04	4.141e+04	6364.35
		1	60	-450.00	80.79	60.90	-6842.84	-3.042e+04	-4.013e+04	-6359.18
		1	73	-450.00	-22.56	-111.91	-8029.67	5.589e+04	1.139e+04	3240.93
		1	77	-450.00	-0.24	0.12	-5312.32	-30.95	155.61	2.21
		1	80	-450.00	-0.96	0.02	-7455.83	5.75	642.02	2.59
		1	81	-450.00	-0.24	0.12	-5312.32	-30.95	155.61	2.21
		1	84	-450.00	-1.16	1.33e-03	-8039.33	18.99	772.72	2.69
152	PALO D 20.00	1	4	-450.00	0.93	1.15	-1.256e+04	-741.00	-616.34	0.0
		1	5	-450.00	-0.03	0.53	-5187.90	-300.19	15.66	0.0
		1	8	-450.00	0.93	0.98	-1.097e+04	-647.59	-620.43	0.0
		1	13	-450.00	-230.48	-46.62	-7740.80	2.312e+04	1.150e+05	0.0
		1	16	-450.00	231.45	48.13	-8685.26	-2.408e+04	-1.156e+05	0.0
		1	23	-450.00	239.35	-96.47	-8527.33	4.814e+04	-1.196e+05	0.0
		1	34	-450.00	-75.66	237.12	-8353.87	-1.185e+05	3.771e+04	0.0
		1	45	-450.00	-100.15	-19.89	-8007.27	9803.90	4.993e+04	0.0
		1	48	-450.00	101.12	21.40	-8418.79	-1.076e+04	-5.057e+04	0.0
		1	55	-450.00	104.56	-41.61	-8349.98	2.071e+04	-5.230e+04	0.0
		1	66	-450.00	-32.69	103.74	-8274.40	-5.192e+04	1.625e+04	0.0
		1	77	-450.00	-0.03	0.53	-5202.96	-301.65	15.40	0.0
		1	80	-450.00	0.48	0.76	-8213.03	-479.64	-322.53	0.0
		1	81	-450.00	-0.03	0.53	-5202.96	-301.65	15.40	0.0
		1	84	-450.00	0.61	0.83	-9059.68	-533.25	-408.66	0.0
153	PALO D 20.00	1	4	-450.00	0.61	0.92	-1.207e+04	-588.09	-407.87	0.0
		1	5	-450.00	-0.07	0.05	-5186.66	18.48	43.95	0.0
		1	6	-450.00	0.63	0.89	-1.023e+04	-599.07	-420.59	0.0
		1	8	-450.00	0.63	0.90	-1.047e+04	-594.36	-421.00	0.0
		1	23	-450.00	253.94	-96.13	-8318.49	4.801e+04	-1.268e+05	0.0
		1	29	-450.00	-63.62	-220.67	-7176.99	1.101e+05	3.169e+04	0.0
		1	32	-450.00	64.23	221.68	-8703.96	-1.107e+05	-3.210e+04	0.0
		1	34	-450.00	-83.74	236.38	-8366.88	-1.181e+05	4.178e+04	0.0
		1	55	-450.00	110.82	-41.60	-8105.19	2.075e+04	-5.539e+04	0.0
		1	61	-450.00	-27.55	-95.87	-7607.80	4.780e+04	1.369e+04	0.0
		1	64	-450.00	28.16	96.87	-8273.15	-4.842e+04	-1.410e+04	0.0
		1	66	-450.00	-36.31	103.28	-8126.27	-5.164e+04	1.809e+04	0.0
		1	77	-450.00	-0.07	0.05	-5203.02	18.79	43.93	0.0
		1	78	-450.00	0.31	0.50	-7891.40	-310.57	-203.83	0.0
		1	80	-450.00	0.31	0.50	-7940.48	-309.63	-203.91	0.0
		1	81	-450.00	-0.07	0.05	-5203.02	18.79	43.93	0.0
		1	82	-450.00	0.40	0.61	-8563.49	-392.91	-265.77	0.0
		1	84	-450.00	0.40	0.62	-8727.09	-389.77	-266.04	0.0
155	PALO D 20.00	1	4	-450.00	-1.15	1.19	-1.321e+04	-773.56	767.46	0.0
		1	5	-450.00	-0.06	0.84	-5477.34	-507.65	41.10	0.0
		1	22	-450.00	-223.74	33.29	-8936.35	-1.670e+04	1.118e+05	0.0
		1	25	-450.00	-223.72	-98.38	-8945.52	4.907e+04	1.118e+05	0.0
		1	28	-450.00	222.46	100.12	-8350.81	-5.018e+04	-1.110e+05	0.0
		1	44	-450.00	66.98	237.64	-8539.37	-1.188e+05	-3.335e+04	0.0
		1	54	-450.00	-97.85	15.00	-8773.73	-7589.70	4.897e+04	0.0
		1	57	-450.00	-97.83	-42.38	-8777.73	2.107e+04	4.896e+04	0.0
		1	60	-450.00	96.58	44.11	-8518.60	-2.218e+04	-4.813e+04	0.0
		1	76	-450.00	28.83	104.04	-8600.76	-5.209e+04	-1.429e+04	0.0
		1	77	-450.00	-0.07	0.84	-5492.42	-510.10	41.90	0.0
		1	80	-450.00	-0.63	0.87	-8648.17	-555.43	417.73	0.0
		1	81	-450.00	-0.07	0.84	-5492.42	-510.10	41.90	0.0
		1	84	-450.00	-0.78	0.91	-9531.37	-582.08	516.69	0.0
158	PALO D 20.00	1	4	-450.00	-0.92	1.23	-1.260e+04	-794.39	612.78	0.0
		1	5	-450.00	0.02	0.53	-5201.86	-302.79	-16.40	0.0
		1	8	-450.00	-0.93	1.06	-1.100e+04	-700.22	617.09	0.0
		1	18	-450.00	-231.68	47.88	-8712.20	-2.396e+04	1.158e+05	0.0
		1	19	-450.00	230.72	-46.28	-7756.51	2.294e+04	-1.151e+05	0.0
		1	22	-450.00	-239.45	35.37	-8707.42	-1.771e+04	1.196e+05	0.0
		1	44	-450.00	75.22	236.38	-8377.76	-1.182e+05	-3.750e+04	0.0
		1	50	-450.00	-101.22	21.31	-8442.56	-1.073e+04	5.062e+04	0.0
		1	51	-450.00	100.26	-19.72	-8026.14	9710.62	-4.998e+04	0.0
		1	54	-450.00	-104.61	15.86	-8440.48	-8005.80	5.231e+04	0.0
		1	76	-450.00	32.51	103.45	-8296.84	-5.178e+04	-1.616e+04	0.0
		1	77	-450.00	0.02	0.53	-5216.93	-304.24	-16.14	0.0
		1	80	-450.00	-0.48	0.80	-8234.35	-508.96	320.41	0.0
		1	81	-450.00	0.02	0.53	-5216.93	-304.24	-16.14	0.0
		1	84	-450.00	-0.61	0.89	-9082.91	-569.19	406.19	0.0
159	PALO D 20.00	1	1	-450.00	-0.03	0.22	-7171.67	-81.64	19.84	3.90

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	4	-450.00	-1.44	0.06	-1.115e+04	-20.51	958.48	6.60
		1	5	-450.00	-0.02	0.17	-5495.29	-63.42	13.69	2.96
		1	13	-450.00	-217.95	-109.77	-9148.98	5.488e+04	1.088e+05	8670.66
		1	16	-450.00	216.42	109.94	-5987.14	-5.495e+04	-1.078e+05	-8662.00
		1	18	-450.00	-217.95	21.24	-9039.64	-1.050e+04	1.088e+05	8789.30
		1	44	-450.00	63.40	256.95	-6933.73	-1.283e+05	-3.149e+04	-7428.06
		1	45	-450.00	-95.40	-47.78	-8256.92	2.390e+04	4.771e+04	3780.50
		1	48	-450.00	93.87	47.95	-6879.21	-2.396e+04	-4.668e+04	-3771.84
		1	50	-450.00	-95.40	9.30	-8209.27	-4593.50	4.771e+04	3832.20
		1	76	-450.00	27.19	112.01	-7291.67	-5.590e+04	-1.343e+04	-3234.18
		1	77	-450.00	-0.03	0.17	-5507.37	-63.07	14.58	2.98
		1	80	-450.00	-0.77	0.08	-7568.06	-32.22	510.77	4.33
		1	81	-450.00	-0.03	0.17	-5507.37	-63.07	14.58	2.98
		1	84	-450.00	-0.96	0.06	-8158.74	-22.31	640.34	4.78
162	PALO D 20.00	1	1	-450.00	0.14	0.21	-7288.42	-75.09	-95.26	2.75
		1	4	-450.00	-1.20	0.09	-1.121e+04	-35.50	799.39	7.81
		1	5	-450.00	0.11	0.16	-5581.50	-58.42	-73.72	2.08
		1	8	-450.00	-1.23	0.04	-9506.13	-18.82	820.92	7.14
		1	18	-450.00	-225.65	21.24	-9407.90	-1.050e+04	1.126e+05	8789.47
		1	19	-450.00	224.44	-21.05	-5828.41	1.042e+04	-1.118e+05	-8780.08
		1	22	-450.00	-229.81	-8.61	-9378.75	4407.73	1.147e+05	1.473e+04
		1	44	-450.00	70.31	256.96	-7296.71	-1.283e+05	-3.498e+04	-7428.02
		1	50	-450.00	-98.66	9.31	-8398.00	-4595.76	4.931e+04	3832.48
		1	51	-450.00	97.45	-9.12	-6838.31	4518.19	-4.850e+04	-3823.09
		1	54	-450.00	-100.48	-3.70	-8385.30	1898.69	5.021e+04	6418.85
		1	76	-450.00	30.30	112.02	-7478.09	-5.591e+04	-1.501e+04	-3233.96
		1	77	-450.00	0.11	0.16	-5595.61	-58.05	-73.47	2.10
		1	80	-450.00	-0.61	0.09	-7618.15	-38.78	402.41	4.70
		1	81	-450.00	0.11	0.16	-5595.61	-58.05	-73.47	2.10
		1	84	-450.00	-0.79	0.08	-8212.04	-31.65	522.96	5.47
168	PALO D 20.00	1	4	-450.00	-0.67	0.07	-1.135e+04	-22.59	445.39	10.78
		1	5	-450.00	0.17	0.08	-5766.53	-3.54	-112.35	-0.92
		1	6	-450.00	-0.73	0.04	-9299.62	-34.70	485.58	10.81
		1	18	-450.00	-241.19	21.15	-1.016e+04	-1.044e+04	1.204e+05	8787.31
		1	19	-450.00	240.57	-21.03	-5283.38	1.041e+04	-1.199e+05	-8776.53
		1	22	-450.00	-256.03	-8.70	-1.009e+04	4466.09	1.278e+05	1.472e+04
		1	44	-450.00	84.09	256.92	-8029.96	-1.282e+05	-4.193e+04	-7429.14
		1	50	-450.00	-105.27	9.25	-8787.72	-4558.46	5.256e+04	3831.93
		1	51	-450.00	104.65	-9.13	-6660.65	4524.23	-5.215e+04	-3821.15
		1	54	-450.00	-111.73	-3.76	-8755.41	1936.35	5.579e+04	6418.24
		1	76	-450.00	36.47	111.98	-7857.42	-5.589e+04	-1.816e+04	-3234.05
		1	77	-450.00	0.17	0.08	-5784.87	-2.78	-112.73	-0.91
		1	78	-450.00	-0.31	0.06	-7669.18	-19.40	206.17	5.35
		1	80	-450.00	-0.31	0.06	-7724.19	-17.12	205.05	5.39
		1	81	-450.00	0.17	0.08	-5784.87	-2.78	-112.73	-0.91
		1	82	-450.00	-0.43	0.06	-8140.26	-23.55	285.89	6.91
		1	84	-450.00	-0.43	0.05	-8323.61	-15.94	282.15	7.05
171	PALO D 20.00	1	3	-450.00	0.09	0.05	-7988.68	46.30	-62.43	0.55
		1	4	-450.00	-0.42	0.05	-1.142e+04	-13.51	278.03	14.35
		1	5	-450.00	0.07	0.04	-5871.66	22.93	-46.00	0.17
		1	6	-450.00	-0.44	0.05	-9303.62	-36.88	294.47	13.97
		1	18	-450.00	-249.05	21.11	-1.056e+04	-1.041e+04	1.243e+05	8787.14
		1	19	-450.00	248.64	-21.02	-5007.42	1.040e+04	-1.240e+05	-8771.92
		1	22	-450.00	-269.23	-8.74	-1.046e+04	4492.18	1.344e+05	1.472e+04
		1	44	-450.00	90.85	256.85	-8411.23	-1.282e+05	-4.532e+04	-7428.92
		1	50	-450.00	-108.63	9.22	-8994.18	-4539.23	5.423e+04	3833.11
		1	51	-450.00	108.22	-9.14	-6574.30	4528.92	-5.396e+04	-3817.89
		1	54	-450.00	-117.43	-3.78	-8951.73	1954.47	5.862e+04	6419.41
		1	76	-450.00	39.47	111.94	-8057.44	-5.586e+04	-1.967e+04	-3232.70
		1	77	-450.00	0.07	0.04	-5892.21	23.88	-46.15	0.19
		1	78	-450.00	-0.21	0.04	-7722.59	-8.02	135.43	7.55
		1	79	-450.00	0.07	0.04	-5953.86	26.74	-46.60	0.25
		1	80	-450.00	-0.21	0.04	-7784.24	-5.16	134.97	7.61
		1	81	-450.00	0.07	0.04	-5892.21	23.88	-46.15	0.19
		1	82	-450.00	-0.27	0.04	-8180.19	-15.99	180.83	9.39
		1	83	-450.00	0.07	0.04	-6097.72	33.41	-47.67	0.38
		1	84	-450.00	-0.27	0.04	-8385.69	-6.46	179.30	9.58
173	PALO D 20.00	1	4	-450.00	1.24	-0.13	-1.376e+04	109.51	-826.25	0.0
		1	5	-450.00	0.18	0.10	-5779.15	-13.80	-120.42	0.0
		1	8	-450.00	1.18	-0.15	-1.200e+04	109.73	-787.64	0.0
		1	16	-450.00	201.90	48.24	-8850.89	-2.403e+04	-1.010e+05	0.0
		1	34	-450.00	-47.98	235.71	-8405.08	-1.177e+05	2.382e+04	0.0
		1	35	-450.00	49.40	-235.78	-9686.68	1.178e+05	-2.476e+04	0.0
		1	48	-450.00	88.37	21.00	-8960.92	-1.045e+04	-4.427e+04	0.0

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	66	-450.00	-20.51	102.69	-8766.66	-5.126e+04	1.011e+04	0.0
		1	67	-450.00	21.93	-102.75	-9325.09	5.135e+04	-1.106e+04	0.0
		1	77	-450.00	0.18	0.09	-5791.52	-12.10	-121.50	0.0
		1	80	-450.00	0.71	-0.03	-9045.88	45.27	-471.95	0.0
		1	81	-450.00	0.18	0.09	-5791.52	-12.10	-121.50	0.0
		1	84	-450.00	0.85	-0.07	-9936.76	70.26	-566.31	0.0
175	PALO D 20.00	1	3	-450.00	0.61	0.50	-7566.89	-257.53	-406.45	0.0
		1	4	-450.00	1.78	0.27	-1.294e+04	-154.68	-1187.57	0.0
		1	5	-450.00	0.42	0.37	-5642.69	-196.56	-278.73	0.0
		1	16	-450.00	210.91	39.48	-8765.65	-1.968e+04	-1.055e+05	0.0
		1	34	-450.00	-55.74	243.94	-8014.49	-1.219e+05	2.763e+04	0.0
		1	35	-450.00	57.85	-243.44	-9104.33	1.216e+05	-2.904e+04	0.0
		1	48	-450.00	92.50	17.34	-8649.28	-8654.53	-4.637e+04	0.0
		1	66	-450.00	-23.69	106.43	-8321.97	-5.318e+04	1.164e+04	0.0
		1	67	-450.00	25.81	-105.93	-8796.85	5.289e+04	-1.305e+04	0.0
		1	77	-450.00	0.42	0.37	-5656.07	-196.67	-281.27	0.0
		1	79	-450.00	0.43	0.38	-5696.19	-197.02	-288.92	0.0
		1	80	-450.00	1.06	0.25	-8559.41	-142.17	-705.52	0.0
		1	81	-450.00	0.42	0.37	-5656.07	-196.67	-281.27	0.0
		1	83	-450.00	0.46	0.38	-5789.82	-197.83	-306.77	0.0
		1	84	-450.00	1.24	0.23	-9368.84	-129.27	-827.52	0.0
177	PALO D 20.00	1	3	-450.00	-0.60	0.52	-7622.13	-269.47	395.10	0.0
		1	4	-450.00	-1.80	0.32	-1.310e+04	-189.38	1201.66	0.0
		1	5	-450.00	-0.41	0.38	-5684.57	-205.55	270.07	0.0
		1	13	-450.00	-210.86	-92.31	-9114.15	4.613e+04	1.055e+05	0.0
		1	41	-450.00	-58.34	-242.18	-9191.27	1.209e+05	2.929e+04	0.0
		1	44	-450.00	56.20	242.74	-8124.24	-1.213e+05	-2.787e+04	0.0
		1	45	-450.00	-92.48	-40.06	-8856.62	2.001e+04	4.636e+04	0.0
		1	73	-450.00	-26.02	-105.37	-8890.23	5.260e+04	1.316e+04	0.0
		1	76	-450.00	23.89	105.93	-8425.29	-5.293e+04	-1.174e+04	0.0
		1	77	-450.00	-0.41	0.38	-5697.99	-205.68	272.61	0.0
		1	79	-450.00	-0.42	0.39	-5738.26	-206.07	280.25	0.0
		1	80	-450.00	-1.07	0.28	-8657.76	-163.35	710.41	0.0
		1	81	-450.00	-0.41	0.38	-5697.99	-205.68	272.61	0.0
		1	83	-450.00	-0.45	0.40	-5832.21	-206.98	298.05	0.0
		1	84	-450.00	-1.25	0.26	-9481.58	-153.59	835.76	0.0
179	PALO D 20.00	1	4	-450.00	-0.63	0.98	-1.206e+04	-632.84	420.77	0.0
		1	5	-450.00	0.06	0.05	-5197.82	15.62	-41.28	0.0
		1	6	-450.00	-0.65	0.96	-1.022e+04	-643.04	432.62	0.0
		1	8	-450.00	-0.65	0.97	-1.046e+04	-638.26	433.08	0.0
		1	22	-450.00	-253.98	35.62	-8669.06	-1.778e+04	1.269e+05	0.0
		1	38	-450.00	-65.15	220.91	-8703.52	-1.103e+05	3.256e+04	0.0
		1	39	-450.00	64.51	-219.83	-7175.08	1.097e+05	-3.214e+04	0.0
		1	44	-450.00	82.86	235.64	-8365.15	-1.177e+05	-4.134e+04	0.0
		1	54	-450.00	-110.85	15.82	-8257.28	-7934.50	5.540e+04	0.0
		1	70	-450.00	-28.57	96.56	-8272.30	-4.827e+04	1.431e+04	0.0
		1	71	-450.00	27.93	-95.48	-7606.31	4.760e+04	-1.388e+04	0.0
		1	76	-450.00	35.92	102.98	-8124.86	-5.149e+04	-1.789e+04	0.0
		1	77	-450.00	0.06	0.05	-5214.19	15.94	-41.25	0.0
		1	78	-450.00	-0.32	0.54	-7890.19	-335.35	211.50	0.0
		1	80	-450.00	-0.32	0.54	-7939.30	-334.39	211.59	0.0
		1	81	-450.00	0.06	0.05	-5214.19	15.94	-41.25	0.0
		1	82	-450.00	-0.41	0.66	-8559.19	-423.17	274.68	0.0
		1	84	-450.00	-0.41	0.66	-8722.90	-419.98	274.99	0.0
183	PALO D 20.00	1	4	-450.00	-1.54	-2.03	-1.177e+04	1374.60	1026.86	0.0
		1	5	-450.00	-0.41	-0.74	-4990.54	542.95	269.85	0.0
		1	13	-450.00	-174.80	-93.74	-8060.44	4.709e+04	8.744e+04	0.0
		1	38	-450.00	-69.59	219.31	-5950.44	-1.092e+05	3.499e+04	0.0
		1	39	-450.00	67.72	-221.92	-9648.36	1.110e+05	-3.374e+04	0.0
		1	41	-450.00	-27.04	-243.38	-9536.79	1.217e+05	1.358e+04	0.0
		1	45	-450.00	-76.69	-41.58	-7913.14	2.102e+04	3.845e+04	0.0
		1	70	-450.00	-30.85	94.82	-6993.76	-4.708e+04	1.560e+04	0.0
		1	71	-450.00	28.98	-97.43	-8605.04	4.887e+04	-1.435e+04	0.0
		1	73	-450.00	-12.31	-106.79	-8556.43	5.355e+04	6268.48	0.0
		1	77	-450.00	-0.41	-0.74	-4992.52	544.21	271.08	0.0
		1	80	-450.00	-0.93	-1.30	-7799.40	893.03	623.96	0.0
		1	81	-450.00	-0.41	-0.74	-4992.52	544.21	271.08	0.0
		1	84	-450.00	-1.08	-1.45	-8513.52	988.12	719.90	0.0
190	PALO D 20.00	1	4	-450.00	0.48	-0.37	-1.407e+04	269.41	-321.20	0.0
		1	5	-450.00	-0.07	0.10	-5709.63	-19.31	46.21	0.0
		1	8	-450.00	0.50	-0.40	-1.233e+04	271.54	-334.34	0.0
		1	16	-450.00	192.39	56.87	-8871.76	-2.834e+04	-9.622e+04	0.0
		1	29	-450.00	-68.75	-220.82	-1.003e+04	1.103e+05	3.436e+04	0.0
		1	32	-450.00	69.22	220.51	-8377.38	-1.101e+05	-3.467e+04	0.0

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	35	-450.00	40.55	-228.04	-9982.03	1.140e+05	-2.028e+04	0.0
		1	48	-450.00	83.96	24.69	-9059.37	-1.227e+04	-4.201e+04	0.0
		1	61	-450.00	-29.82	-96.31	-9564.53	4.815e+04	1.488e+04	0.0
		1	64	-450.00	30.29	95.99	-8843.96	-4.789e+04	-1.519e+04	0.0
		1	67	-450.00	17.80	-99.45	-9543.15	4.972e+04	-8923.92	0.0
		1	77	-450.00	-0.07	0.10	-5718.95	-17.72	45.90	0.0
		1	80	-450.00	0.23	-0.16	-9204.24	129.44	-155.49	0.0
		1	81	-450.00	-0.07	0.10	-5718.95	-17.72	45.90	0.0
		1	84	-450.00	0.31	-0.23	-1.013e+04	176.18	-207.81	0.0
194	PALO D 20.00	1	4	-450.00	-0.33	-0.37	-1.415e+04	272.99	220.99	0.0
		1	5	-450.00	0.08	0.11	-5726.62	-22.45	-57.05	0.0
		1	8	-450.00	-0.35	-0.40	-1.241e+04	276.07	237.40	0.0
		1	13	-450.00	-192.21	-75.06	-9382.67	3.756e+04	9.610e+04	0.0
		1	38	-450.00	-67.84	220.10	-8432.26	-1.099e+05	3.396e+04	0.0
		1	39	-450.00	67.54	-220.42	-1.008e+04	1.101e+05	-3.377e+04	0.0
		1	41	-450.00	-41.76	-227.64	-1.003e+04	1.138e+05	2.087e+04	0.0
		1	45	-450.00	-83.84	-32.80	-9310.58	1.644e+04	4.193e+04	0.0
		1	70	-450.00	-29.64	95.81	-8896.46	-4.780e+04	1.485e+04	0.0
		1	71	-450.00	29.35	-96.13	-9613.37	4.806e+04	-1.466e+04	0.0
		1	73	-450.00	-18.28	-99.28	-9590.70	4.964e+04	9149.88	0.0
		1	77	-450.00	0.08	0.11	-5735.95	-20.86	-56.74	0.0
		1	80	-450.00	-0.15	-0.16	-9254.92	130.40	98.77	0.0
		1	81	-450.00	0.08	0.11	-5735.95	-20.86	-56.74	0.0
		1	84	-450.00	-0.21	-0.23	-1.019e+04	178.15	139.56	0.0
196	PALO D 20.00	1	4	-450.00	-1.16	-0.14	-1.391e+04	119.11	770.94	0.0
		1	5	-450.00	-0.17	0.10	-5809.10	-18.75	110.76	0.0
		1	8	-450.00	-1.10	-0.17	-1.214e+04	120.83	735.25	0.0
		1	13	-450.00	-201.76	-83.69	-9304.77	4.186e+04	1.009e+05	0.0
		1	41	-450.00	-50.23	-234.98	-9768.12	1.174e+05	2.517e+04	0.0
		1	44	-450.00	48.91	234.90	-8507.27	-1.173e+05	-2.429e+04	0.0
		1	45	-450.00	-88.28	-36.49	-9210.49	1.827e+04	4.421e+04	0.0
		1	73	-450.00	-22.26	-102.41	-9412.39	5.118e+04	1.122e+04	0.0
		1	76	-450.00	20.94	102.33	-8863.00	-5.109e+04	-1.034e+04	0.0
		1	77	-450.00	-0.17	0.10	-5821.49	-17.05	111.83	0.0
		1	80	-450.00	-0.66	-0.04	-9137.69	48.90	439.54	0.0
		1	81	-450.00	-0.17	0.10	-5821.49	-17.05	111.83	0.0
		1	84	-450.00	-0.79	-0.08	-1.004e+04	76.00	528.16	0.0
198	PALO D 20.00	1	3	-450.00	0.09	-0.48	-8179.20	396.73	-62.88	11.20
		1	4	-450.00	-0.06	0.20	-1.162e+04	-113.67	33.95	5.06
		1	5	-450.00	0.07	-0.35	-5985.72	281.71	-47.62	8.27
		1	22	-450.00	-282.41	20.63	-9864.43	-1.017e+04	1.409e+05	1.472e+04
		1	38	-450.00	-63.90	220.26	-1.004e+04	-1.098e+05	3.186e+04	-413.01
		1	39	-450.00	63.88	-220.23	-5779.24	1.099e+05	-3.186e+04	423.21
		1	41	-450.00	-97.76	-241.80	-6680.77	1.207e+05	4.881e+04	7437.78
		1	54	-450.00	-123.06	9.00	-8762.38	-4423.78	6.141e+04	6418.09
		1	70	-450.00	-27.85	95.98	-8840.41	-4.785e+04	1.389e+04	-177.09
		1	71	-450.00	27.83	-95.96	-6982.34	4.788e+04	-1.388e+04	187.28
		1	73	-450.00	-42.60	-105.35	-7375.16	5.260e+04	2.127e+04	3243.73
		1	77	-450.00	0.07	-0.35	-6008.72	283.47	-47.68	8.29
		1	79	-450.00	0.07	-0.35	-6077.69	288.76	-47.85	8.37
		1	80	-450.00	-9.28e-03	0.01	-7911.38	16.55	3.80	5.10
		1	81	-450.00	0.07	-0.35	-6008.72	283.47	-47.68	8.29
		1	83	-450.00	0.07	-0.36	-6238.63	301.11	-48.24	8.56
		1	84	-450.00	-0.03	0.09	-8530.74	-39.16	16.32	4.46
199	PALO D 20.00	1	4	-450.00	-0.17	0.21	-1.157e+04	-118.55	108.62	3.56
		1	5	-450.00	0.04	-0.07	-5988.30	99.11	-30.60	7.97
		1	6	-450.00	-0.18	0.25	-9378.05	-169.11	117.90	0.55
		1	18	-450.00	-256.89	29.94	-1.044e+04	-1.483e+04	1.282e+05	8788.92
		1	19	-450.00	256.73	-29.75	-5331.78	1.475e+04	-1.281e+05	-8780.61
		1	22	-450.00	-282.41	6.02	-1.034e+04	-2891.01	1.409e+05	1.472e+04
		1	44	-450.00	97.66	249.40	-8997.39	-1.245e+05	-4.875e+04	-7428.56
		1	50	-450.00	-111.98	13.10	-9001.58	-6484.33	5.588e+04	3831.94
		1	51	-450.00	111.82	-12.91	-6774.09	6406.08	-5.578e+04	-3823.62
		1	54	-450.00	-123.10	2.68	-8957.37	-1281.78	6.144e+04	6418.29
		1	76	-450.00	42.51	108.72	-8371.30	-5.426e+04	-2.121e+04	-3234.49
		1	77	-450.00	0.04	-0.07	-6011.22	100.31	-30.60	8.01
		1	78	-450.00	-0.08	0.10	-7819.08	-42.74	48.59	4.05
		1	79	-450.00	0.04	-0.08	-6079.97	103.93	-30.62	8.11
		1	80	-450.00	-0.08	0.09	-7887.83	-39.13	48.58	4.16
		1	81	-450.00	0.04	-0.07	-6011.22	100.31	-30.60	8.01
		1	82	-450.00	-0.11	0.14	-8271.05	-78.50	68.39	3.06
		1	83	-450.00	0.04	-0.08	-6240.38	112.35	-30.66	8.37
		1	84	-450.00	-0.11	0.13	-8500.22	-66.46	68.33	3.42
200	PALO D 20.00	1	3	-450.00	-0.17	0.69	-7839.67	-385.24	108.43	0.0

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	4	-450.00	0.66	0.39	-1.433e+04	-236.72	-440.95	0.0
		1	5	-450.00	-0.12	0.51	-5827.04	-287.36	77.25	0.0
		1	6	-450.00	0.71	0.20	-1.231e+04	-138.83	-472.13	0.0
		1	16	-450.00	211.48	56.93	-9231.94	-2.846e+04	-1.057e+05	0.0
		1	29	-450.00	-66.72	-220.39	-9646.25	1.100e+05	3.331e+04	0.0
		1	32	-450.00	67.37	221.09	-9048.41	-1.105e+05	-3.374e+04	0.0
		1	34	-450.00	-57.38	228.67	-9061.58	-1.143e+05	2.861e+04	0.0
		1	48	-450.00	92.33	25.01	-9297.05	-1.252e+04	-4.620e+04	0.0
		1	61	-450.00	-28.89	-95.83	-9477.58	4.783e+04	1.439e+04	0.0
		1	64	-450.00	29.53	96.54	-9217.08	-4.825e+04	-1.482e+04	0.0
		1	66	-450.00	-24.82	99.84	-9222.82	-4.991e+04	1.234e+04	0.0
		1	77	-450.00	-0.12	0.51	-5842.33	-288.03	77.71	0.0
		1	78	-450.00	0.32	0.35	-9301.46	-208.82	-215.29	0.0
		1	79	-450.00	-0.12	0.51	-5888.20	-290.06	79.10	0.0
		1	80	-450.00	0.32	0.35	-9347.33	-210.84	-213.90	0.0
		1	81	-450.00	-0.12	0.51	-5842.33	-288.03	77.71	0.0
		1	82	-450.00	0.43	0.31	-1.017e+04	-189.02	-288.54	0.0
		1	83	-450.00	-0.13	0.53	-5995.23	-294.78	82.34	0.0
		1	84	-450.00	0.43	0.33	-1.032e+04	-195.77	-283.91	0.0
201	PALO D 20.00	1	4	-450.00	1.17	1.11	-1.312e+04	-712.95	-777.58	0.0
		1	5	-450.00	0.06	0.83	-5457.91	-503.07	-44.43	0.0
		1	22	-450.00	-222.36	100.34	-8296.14	-5.028e+04	1.109e+05	0.0
		1	23	-450.00	223.63	-98.70	-8888.22	4.923e+04	-1.118e+05	0.0
		1	34	-450.00	-66.99	238.48	-8477.15	-1.192e+05	3.335e+04	0.0
		1	54	-450.00	-96.53	44.18	-8463.19	-2.220e+04	4.810e+04	0.0
		1	55	-450.00	97.80	-42.54	-8721.17	2.116e+04	-4.895e+04	0.0
		1	66	-450.00	-28.83	104.37	-8542.06	-5.225e+04	1.429e+04	0.0
		1	77	-450.00	0.07	0.83	-5472.98	-505.52	-45.24	0.0
		1	80	-450.00	0.64	0.82	-8592.18	-521.71	-424.12	0.0
		1	81	-450.00	0.07	0.83	-5472.98	-505.52	-45.24	0.0
		1	84	-450.00	0.79	0.84	-9466.18	-541.07	-523.88	0.0
204	PALO D 20.00	1	4	-450.00	1.65	-0.17	-1.071e+04	135.08	-1099.26	0.12
		1	5	-450.00	0.27	0.07	-5091.30	5.60	-183.00	-1.25
		1	16	-450.00	192.42	21.69	-7644.49	-1.070e+04	-9.614e+04	-8664.42
		1	34	-450.00	-39.48	258.78	-5537.73	-1.291e+05	1.947e+04	7824.92
		1	35	-450.00	41.39	-258.92	-8954.60	1.293e+05	-2.075e+04	-7825.58
		1	48	-450.00	84.38	9.41	-7419.73	-4621.27	-4.225e+04	-3775.52
		1	66	-450.00	-16.66	112.72	-6501.75	-5.623e+04	8126.56	3409.36
		1	67	-450.00	18.57	-112.86	-7990.58	5.637e+04	-9398.03	-3410.02
		1	77	-450.00	0.27	0.07	-5096.39	6.33	-184.27	-1.25
		1	80	-450.00	0.95	-0.07	-7246.17	69.93	-635.73	-0.33
		1	81	-450.00	0.27	0.07	-5096.39	6.33	-184.27	-1.25
		1	84	-450.00	1.14	-0.10	-7815.38	90.41	-756.56	-0.09
205	PALO D 20.00	1	4	-450.00	1.64	-0.10	-1.086e+04	87.81	-1089.07	-1.22
		1	5	-450.00	0.24	0.10	-5220.45	-16.90	-158.40	-1.96
		1	8	-450.00	1.56	-0.13	-9281.31	91.35	-1038.21	-0.62
		1	16	-450.00	201.43	21.73	-8125.92	-1.073e+04	-1.006e+05	-8666.64
		1	22	-450.00	-186.45	140.28	-5956.38	-7.008e+04	9.282e+04	1.472e+04
		1	23	-450.00	188.31	-140.33	-8755.65	7.016e+04	-9.406e+04	-1.472e+04
		1	35	-450.00	49.65	-258.89	-8688.53	1.293e+05	-2.488e+04	-7826.10
		1	48	-450.00	88.30	9.46	-7691.49	-4652.91	-4.420e+04	-3777.01
		1	54	-450.00	-80.71	61.11	-6746.15	-3.052e+04	4.009e+04	6411.91
		1	55	-450.00	82.58	-61.16	-7965.88	3.059e+04	-4.134e+04	-6414.39
		1	67	-450.00	22.16	-112.82	-7936.63	5.635e+04	-1.119e+04	-3410.76
		1	77	-450.00	0.24	0.10	-5228.01	-16.23	-159.85	-1.96
		1	80	-450.00	0.93	-0.02	-7356.01	38.17	-621.81	-1.24
		1	81	-450.00	0.24	0.10	-5228.01	-16.23	-159.85	-1.96
		1	84	-450.00	1.12	-0.05	-7935.25	55.93	-746.39	-1.07
209	PALO D 20.00	1	1	-450.00	-0.15	0.19	-7224.68	-58.30	97.63	-2.31
		1	4	-450.00	1.12	9.80e-04	-1.122e+04	23.16	-744.14	-4.84
		1	5	-450.00	-0.12	0.14	-5532.51	-45.53	75.53	-1.74
		1	8	-450.00	1.15	-0.04	-9531.42	35.93	-766.23	-4.27
		1	13	-450.00	-224.40	-21.69	-5825.01	1.075e+04	1.118e+05	8663.91
		1	16	-450.00	225.52	21.77	-9392.76	-1.075e+04	-1.126e+05	-8669.93
		1	23	-450.00	229.79	-140.27	-9259.70	7.012e+04	-1.147e+05	-1.472e+04
		1	34	-450.00	-70.64	258.88	-7287.66	-1.292e+05	3.515e+04	7822.63
		1	45	-450.00	-97.46	-9.43	-6831.60	4680.16	4.851e+04	3773.42
		1	48	-450.00	98.58	9.51	-8386.17	-4687.41	-4.926e+04	-3779.44
		1	55	-450.00	100.44	-61.10	-8328.19	3.055e+04	-5.019e+04	-6416.94
		1	66	-450.00	-30.46	112.83	-7468.92	-5.630e+04	1.511e+04	3406.85
		1	77	-450.00	-0.11	0.14	-5546.60	-45.14	75.29	-1.76
		1	80	-450.00	0.56	0.04	-7608.88	-3.62	-372.42	-3.01
		1	81	-450.00	-0.11	0.14	-5546.60	-45.14	75.29	-1.76
		1	84	-450.00	0.73	0.02	-8212.54	9.16	-485.89	-3.45

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
210	PALO D 20.00	1	4	-450.00	0.85	-1.37e-04	-1.134e+04	23.94	-566.78	-5.79
		1	5	-450.00	-0.20	0.11	-5632.12	-22.98	128.76	-3.58e-03
		1	6	-450.00	0.92	-0.04	-9366.47	21.37	-609.66	-5.49
		1	8	-450.00	0.91	-0.03	-9609.19	29.58	-605.97	-5.75
		1	13	-450.00	-232.35	-21.67	-5577.60	1.074e+04	1.158e+05	8662.95
		1	16	-450.00	233.14	21.74	-9799.40	-1.073e+04	-1.163e+05	-8668.95
		1	23	-450.00	242.90	-140.31	-9425.24	7.015e+04	-1.212e+05	-1.472e+04
		1	35	-450.00	78.70	-258.81	-7692.08	1.292e+05	-3.935e+04	-7829.34
		1	45	-450.00	-101.02	-9.43	-6768.72	4679.69	5.032e+04	3773.01
		1	48	-450.00	101.81	9.49	-8608.28	-4673.97	-5.084e+04	-3779.01
		1	55	-450.00	106.06	-61.12	-8445.25	3.057e+04	-5.298e+04	-6416.73
		1	67	-450.00	34.52	-112.75	-7690.06	5.631e+04	-1.729e+04	-3413.16
		1	77	-450.00	-0.20	0.11	-5648.30	-22.44	129.01	-0.02
		1	78	-450.00	0.40	0.03	-7639.96	1.22	-264.82	-2.95
		1	80	-450.00	0.40	0.03	-7688.50	2.86	-264.08	-3.00
		1	81	-450.00	-0.20	0.11	-5648.30	-22.44	129.01	-0.02
		1	82	-450.00	0.55	0.01	-8137.87	7.13	-363.27	-3.68
		1	84	-450.00	0.54	0.01	-8299.68	12.61	-360.82	-3.85
214	PALO D 20.00	1	1	-450.00	0.03	0.20	-7094.02	-64.46	-19.57	-3.48
		1	4	-450.00	1.35	-0.02	-1.111e+04	36.57	-901.01	-3.76
		1	5	-450.00	0.02	0.15	-5435.63	-50.23	-13.50	-2.65
		1	16	-450.00	217.93	21.78	-8991.51	-1.076e+04	-1.088e+05	-8669.86
		1	18	-450.00	-216.45	110.48	-5955.75	-5.521e+04	1.078e+05	8781.51
		1	19	-450.00	217.89	-110.42	-9104.68	5.522e+04	-1.088e+05	-8786.96
		1	35	-450.00	64.81	-258.81	-8169.25	1.292e+05	-3.244e+04	-7828.02
		1	48	-450.00	95.37	9.51	-8166.95	-4685.73	-4.768e+04	-3779.25
		1	50	-450.00	-93.91	48.16	-6844.17	-2.406e+04	4.671e+04	3824.82
		1	51	-450.00	95.35	-48.09	-8216.26	2.406e+04	-4.767e+04	-3830.27
		1	67	-450.00	28.65	-112.75	-7808.66	5.630e+04	-1.441e+04	-3412.43
		1	77	-450.00	0.02	0.15	-5447.68	-49.86	-14.38	-2.66
		1	80	-450.00	0.72	0.03	-7530.22	2.19	-480.08	-2.72
		1	81	-450.00	0.02	0.15	-5447.68	-49.86	-14.38	-2.66
		1	84	-450.00	0.90	6.85e-03	-8126.12	17.49	-602.00	-2.85
218	PALO D 20.00	1	1	-450.00	-0.37	-1.20	-6475.86	865.07	245.32	0.0
		1	4	-450.00	-0.03	-2.58	-1.235e+04	1743.35	22.94	0.0
		1	5	-450.00	-0.29	-0.92	-4976.09	662.51	188.97	0.0
		1	13	-450.00	-174.60	-58.62	-8671.67	2.955e+04	8.730e+04	0.0
		1	29	-450.00	-70.77	-221.99	-9527.10	1.111e+05	3.543e+04	0.0
		1	32	-450.00	70.55	218.69	-6669.73	-1.089e+05	-3.528e+04	0.0
		1	35	-450.00	24.24	-229.18	-9441.46	1.147e+05	-1.206e+04	0.0
		1	45	-450.00	-76.14	-26.47	-8348.20	1.351e+04	3.808e+04	0.0
		1	61	-450.00	-30.89	-97.66	-8720.93	4.905e+04	1.548e+04	0.0
		1	64	-450.00	30.68	94.36	-7475.89	-4.680e+04	-1.533e+04	0.0
		1	67	-450.00	10.50	-100.79	-8683.62	5.062e+04	-5214.17	0.0
		1	77	-450.00	-0.29	-0.92	-4979.11	664.17	188.82	0.0
		1	80	-450.00	-0.11	-1.65	-8098.41	1124.32	70.95	0.0
		1	81	-450.00	-0.29	-0.92	-4979.11	664.17	188.82	0.0
		1	84	-450.00	-0.06	-1.84	-8897.11	1249.68	40.57	0.0
220	PALO D 20.00	1	4	-450.00	1.22	-0.90	-1.018e+04	615.52	-814.00	-34.39
		1	5	-450.00	0.12	-0.27	-4734.54	226.84	-82.48	-13.55
		1	16	-450.00	173.69	20.95	-6533.72	-1.021e+04	-8.669e+04	-8659.50
		1	34	-450.00	-23.41	257.66	-4380.51	-1.284e+05	1.150e+04	7793.23
		1	35	-450.00	24.77	-258.78	-9380.04	1.292e+05	-1.241e+04	-7838.01
		1	48	-450.00	76.07	8.81	-6729.27	-4225.14	-3.803e+04	-3785.83
		1	66	-450.00	-9.82	111.95	-5791.06	-5.573e+04	4755.53	3383.10
		1	67	-450.00	11.18	-113.07	-7969.49	5.651e+04	-5665.11	-3427.89
		1	77	-450.00	0.12	-0.27	-4734.63	227.62	-83.37	-13.57
		1	80	-450.00	0.68	-0.56	-6880.28	393.75	-454.79	-22.39
		1	81	-450.00	0.12	-0.27	-4734.63	227.62	-83.37	-13.57
		1	84	-450.00	0.83	-0.63	-7417.25	440.17	-553.19	-24.72
221	PALO D 20.00	1	4	-450.00	1.49	-0.34	-1.052e+04	245.20	-990.29	-2.03
		1	5	-450.00	0.23	-0.01	-4947.70	55.63	-153.73	-1.77
		1	16	-450.00	183.25	21.56	-7141.10	-1.061e+04	-9.155e+04	-8661.52
		1	34	-450.00	-31.33	258.61	-5023.98	-1.290e+05	1.542e+04	7823.48
		1	35	-450.00	33.04	-258.98	-9205.46	1.293e+05	-1.656e+04	-7826.72
		1	48	-450.00	80.33	9.29	-7126.21	-4542.30	-4.021e+04	-3774.99
		1	66	-450.00	-13.17	112.58	-6203.72	-5.614e+04	6395.56	3408.00
		1	67	-450.00	14.88	-112.95	-8025.71	5.643e+04	-7535.13	-3411.25
		1	77	-450.00	0.23	-0.01	-4950.30	56.37	-154.78	-1.78
		1	80	-450.00	0.86	-0.18	-7114.72	143.96	-569.78	-1.62
		1	81	-450.00	0.23	-0.01	-4950.30	56.37	-154.78	-1.78
		1	84	-450.00	1.02	-0.23	-7672.05	170.49	-680.13	-1.59
224	PALO D 20.00	1	3	-450.00	0.17	0.70	-7856.81	-389.34	-115.10	0.0
		1	4	-450.00	-0.51	0.41	-1.442e+04	-250.77	341.34	0.0

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	5	-450.00	0.12	0.51	-5840.04	-290.41	-82.30	0.0
		1	6	-450.00	-0.56	0.22	-1.241e+04	-151.84	374.13	0.0
		1	13	-450.00	-211.37	-75.02	-9455.01	3.745e+04	1.057e+05	0.0
		1	38	-450.00	-66.86	220.69	-9110.14	-1.103e+05	3.347e+04	0.0
		1	39	-450.00	66.38	-219.96	-9695.05	1.098e+05	-3.315e+04	0.0
		1	44	-450.00	57.90	228.28	-9122.11	-1.141e+05	-2.888e+04	0.0
		1	45	-450.00	-92.24	-32.48	-9425.43	1.620e+04	4.613e+04	0.0
		1	70	-450.00	-29.27	96.37	-9275.16	-4.817e+04	1.467e+04	0.0
		1	71	-450.00	28.79	-95.64	-9530.02	4.773e+04	-1.435e+04	0.0
		1	76	-450.00	25.09	99.67	-9280.38	-4.983e+04	-1.249e+04	0.0
		1	77	-450.00	0.12	0.51	-5855.35	-291.09	-82.77	0.0
		1	78	-450.00	-0.24	0.36	-9356.68	-217.19	160.66	0.0
		1	79	-450.00	0.12	0.52	-5901.26	-293.14	-84.18	0.0
		1	80	-450.00	-0.24	0.36	-9402.59	-219.24	159.26	0.0
		1	81	-450.00	0.12	0.51	-5855.35	-291.09	-82.77	0.0
		1	82	-450.00	-0.33	0.32	-1.023e+04	-198.71	221.52	0.0
		1	83	-450.00	0.13	0.53	-6008.38	-297.91	-87.46	0.0
		1	84	-450.00	-0.32	0.34	-1.039e+04	-205.54	216.83	0.0
227	PALO D 20.00	1	3	-450.00	0.07	-0.76	-8204.66	584.35	-51.56	-1.44
		1	4	-450.00	0.17	0.48	-1.177e+04	-292.28	-112.69	4.03
		1	5	-450.00	0.05	-0.56	-6002.97	422.33	-37.29	-1.09
		1	23	-450.00	282.62	-80.85	-7992.20	4.039e+04	-1.411e+05	-1.471e+04
		1	29	-450.00	-62.16	-219.70	-6209.93	1.096e+05	3.099e+04	-810.55
		1	32	-450.00	62.37	219.88	-9780.50	-1.097e+05	-3.113e+04	814.20
		1	34	-450.00	-99.33	227.18	-9483.04	-1.133e+05	4.957e+04	7826.90
		1	55	-450.00	123.21	-35.18	-7993.90	1.758e+04	-6.151e+04	-6409.82
		1	61	-450.00	-27.02	-95.68	-7217.32	4.773e+04	1.346e+04	-352.15
		1	64	-450.00	27.24	95.86	-8773.12	-4.780e+04	-1.360e+04	355.80
		1	66	-450.00	-43.22	99.04	-8643.51	-4.940e+04	2.156e+04	3411.44
		1	77	-450.00	0.05	-0.56	-6026.14	424.37	-37.47	-1.09
		1	79	-450.00	0.06	-0.57	-6095.64	430.50	-38.00	-1.10
		1	80	-450.00	0.11	0.09	-7995.22	-37.04	-70.61	1.82
		1	81	-450.00	0.05	-0.56	-6026.14	424.37	-37.47	-1.09
		1	83	-450.00	0.06	-0.58	-6257.81	444.79	-39.25	-1.11
		1	84	-450.00	0.12	0.24	-8632.28	-139.63	-80.01	2.54
228	PALO D 20.00	1	4	-450.00	-0.03	0.70	-1.178e+04	-443.73	20.22	1.66
		1	5	-450.00	-9.60e-03	-0.51	-6015.01	388.32	4.52	0.19
		1	6	-450.00	-0.03	0.88	-9569.26	-593.10	18.75	1.59
		1	22	-450.00	-282.56	65.94	-8485.52	-3.291e+04	1.410e+05	1.471e+04
		1	29	-450.00	-62.30	-218.81	-6389.45	1.091e+05	3.108e+04	-811.54
		1	32	-450.00	62.27	219.27	-9617.49	-1.094e+05	-3.106e+04	813.42
		1	38	-450.00	-64.00	219.27	-9615.34	-1.094e+05	3.193e+04	-418.57
		1	54	-450.00	-123.13	28.86	-8213.51	-1.441e+04	6.146e+04	6412.22
		1	61	-450.00	-27.16	-95.21	-7300.19	4.748e+04	1.355e+04	-353.08
		1	64	-450.00	27.12	95.67	-8706.74	-4.774e+04	-1.353e+04	354.96
		1	70	-450.00	-27.90	95.67	-8705.81	-4.774e+04	1.392e+04	-181.85
		1	77	-450.00	-9.61e-03	-0.51	-6038.23	390.22	4.53	0.19
		1	79	-450.00	-9.65e-03	-0.51	-6107.87	395.92	4.55	0.19
		1	80	-450.00	-0.02	0.23	-8003.47	-127.50	12.14	0.94
		1	81	-450.00	-9.61e-03	-0.51	-6038.23	390.22	4.53	0.19
		1	83	-450.00	-9.73e-03	-0.53	-6270.37	409.22	4.59	0.20
		1	84	-450.00	-0.02	0.40	-8639.87	-245.06	14.08	1.13
229	PALO D 20.00	1	4	-450.00	-1.68	-0.09	-1.090e+04	78.59	1119.53	1.97
		1	5	-450.00	-0.27	0.09	-5190.42	-11.95	176.08	1.40
		1	8	-450.00	-1.59	-0.12	-9335.91	80.52	1063.79	1.55
		1	13	-450.00	-192.26	-109.87	-8631.93	5.495e+04	9.604e+04	8665.15
		1	41	-450.00	-42.66	-256.90	-9068.12	1.283e+05	2.138e+04	7433.83
		1	44	-450.00	40.72	256.86	-5693.31	-1.282e+05	-2.009e+04	-7430.86
		1	45	-450.00	-84.32	-47.88	-7925.90	2.396e+04	4.221e+04	3776.50
		1	73	-450.00	-19.13	-111.95	-8115.96	5.591e+04	9680.45	3239.97
		1	76	-450.00	17.20	111.91	-6645.46	-5.584e+04	-8391.56	-3237.01
		1	77	-450.00	-0.27	0.09	-5195.58	-11.23	177.35	1.40
		1	80	-450.00	-0.97	-0.02	-7380.71	34.49	644.45	1.48
		1	81	-450.00	-0.27	0.09	-5195.58	-11.23	177.35	1.40
		1	84	-450.00	-1.15	-0.05	-7959.24	50.42	769.15	1.50
231	PALO D 20.00	1	3	-450.00	-0.07	-0.57	-7426.72	459.91	45.51	0.0
		1	4	-450.00	0.31	0.52	-1.175e+04	-319.88	-203.52	0.0
		1	5	-450.00	-0.05	-0.42	-5458.57	328.00	35.09	0.0
		1	8	-450.00	0.32	0.65	-1.007e+04	-422.73	-214.04	0.0
		1	23	-450.00	268.04	-96.09	-8286.87	4.805e+04	-1.338e+05	0.0
		1	29	-450.00	-62.95	-220.72	-6572.49	1.101e+05	3.138e+04	0.0
		1	32	-450.00	63.25	221.03	-9114.31	-1.103e+05	-3.158e+04	0.0
		1	34	-450.00	-91.50	235.60	-8655.08	-1.176e+05	4.568e+04	0.0
		1	55	-450.00	116.88	-41.78	-8036.63	2.089e+04	-5.838e+04	0.0

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	61	-450.00	-27.35	-96.08	-7289.63	4.794e+04	1.362e+04	0.0
		1	64	-450.00	27.64	96.40	-8397.17	-4.810e+04	-1.381e+04	0.0
		1	66	-450.00	-39.79	102.75	-8197.07	-5.129e+04	1.985e+04	0.0
		1	77	-450.00	-0.05	-0.42	-5477.68	329.94	35.08	0.0
		1	79	-450.00	-0.05	-0.42	-5535.01	335.75	35.06	0.0
		1	80	-450.00	0.15	0.16	-7843.40	-80.14	-97.76	0.0
		1	81	-450.00	-0.05	-0.42	-5477.68	329.94	35.08	0.0
		1	83	-450.00	-0.05	-0.44	-5668.77	349.30	35.02	0.0
		1	84	-450.00	0.20	0.29	-8554.26	-170.55	-131.00	0.0
233	PALO D 20.00	1	3	-450.00	-0.11	-0.49	-8172.96	405.66	73.46	-10.54
		1	4	-450.00	-0.02	0.14	-1.173e+04	-67.33	12.97	-1.96
		1	5	-450.00	-0.08	-0.36	-5980.76	288.49	55.62	-7.77
		1	22	-450.00	-282.47	110.83	-6995.92	-5.536e+04	1.410e+05	1.471e+04
		1	29	-450.00	-62.23	-221.46	-5824.43	1.105e+05	3.104e+04	-814.37
		1	32	-450.00	62.16	221.40	-1.012e+04	-1.104e+05	-3.099e+04	807.78
		1	35	-450.00	99.41	-243.02	-6728.50	1.213e+05	-4.963e+04	-7828.93
		1	54	-450.00	-123.10	48.28	-7546.45	-2.410e+04	6.144e+04	6409.64
		1	61	-450.00	-27.13	-96.51	-7035.99	4.817e+04	1.354e+04	-356.70
		1	64	-450.00	27.07	96.45	-8907.13	-4.808e+04	-1.349e+04	350.11
		1	67	-450.00	43.30	-105.91	-7429.92	5.288e+04	-2.161e+04	-3413.15
		1	77	-450.00	-0.08	-0.36	-6003.77	290.26	55.68	-7.79
		1	79	-450.00	-0.09	-0.36	-6072.78	295.57	55.88	-7.87
		1	80	-450.00	-0.03	-0.03	-7971.56	43.31	23.62	-3.30
		1	81	-450.00	-0.08	-0.36	-6003.77	290.26	55.68	-7.79
		1	83	-450.00	-0.09	-0.37	-6233.81	307.96	56.35	-8.05
		1	84	-450.00	-0.02	0.04	-8607.28	-7.36	16.02	-2.33
236	PALO D 20.00	1	4	-450.00	1.81	-0.07	-1.282e+04	71.60	-1204.43	0.0
		1	5	-450.00	0.44	0.18	-5514.14	-68.01	-292.14	0.0
		1	8	-450.00	1.67	-0.12	-1.115e+04	89.02	-1112.97	0.0
		1	16	-450.00	192.92	39.69	-8211.79	-1.975e+04	-9.656e+04	0.0
		1	34	-450.00	-39.05	243.30	-7382.59	-1.215e+05	1.926e+04	0.0
		1	35	-450.00	41.22	-243.26	-9597.79	1.215e+05	-2.071e+04	0.0
		1	48	-450.00	84.67	17.30	-8368.89	-8598.14	-4.248e+04	0.0
		1	66	-450.00	-16.40	106.03	-8007.58	-5.293e+04	7985.52	0.0
		1	67	-450.00	18.57	-105.99	-8972.81	5.295e+04	-9432.06	0.0
		1	77	-450.00	0.44	0.18	-5521.85	-66.71	-293.80	0.0
		1	80	-450.00	1.09	0.02	-8490.19	10.55	-723.27	0.0
		1	81	-450.00	0.44	0.18	-5521.85	-66.71	-293.80	0.0
		1	84	-450.00	1.26	-0.02	-9280.44	37.97	-841.02	0.0
237	PALO D 20.00	1	4	-450.00	-0.35	0.57	-1.171e+04	-359.66	234.67	0.0
		1	5	-450.00	0.04	-0.41	-5467.56	325.73	-27.74	0.0
		1	6	-450.00	-0.36	0.73	-9741.09	-490.94	242.68	0.0
		1	8	-450.00	-0.37	0.70	-1.003e+04	-461.85	242.95	0.0
		1	22	-450.00	-268.14	35.62	-8875.31	-1.770e+04	1.339e+05	0.0
		1	38	-450.00	-64.57	220.26	-9091.12	-1.099e+05	3.224e+04	0.0
		1	39	-450.00	64.22	-219.89	-6555.44	1.097e+05	-3.201e+04	0.0
		1	44	-450.00	90.23	234.80	-8633.35	-1.172e+05	-4.503e+04	0.0
		1	54	-450.00	-116.93	15.63	-8281.68	-7768.25	5.841e+04	0.0
		1	70	-450.00	-28.24	96.08	-8375.72	-4.795e+04	1.412e+04	0.0
		1	71	-450.00	27.88	-95.70	-7270.85	4.775e+04	-1.388e+04	0.0
		1	76	-450.00	39.21	102.42	-8176.25	-5.113e+04	-1.956e+04	0.0
		1	77	-450.00	0.04	-0.41	-5486.69	327.67	-27.72	0.0
		1	79	-450.00	0.04	-0.42	-5544.07	333.49	-27.66	0.0
		1	80	-450.00	-0.18	0.19	-7823.28	-102.07	116.56	0.0
		1	81	-450.00	0.04	-0.41	-5486.69	327.67	-27.72	0.0
		1	83	-450.00	0.04	-0.43	-5677.96	347.07	-27.54	0.0
		1	84	-450.00	-0.23	0.33	-8526.97	-197.38	152.74	0.0
239	PALO D 20.00	1	2	-450.00	-1.03	-0.83	-1.047e+04	557.88	689.66	35.99
		1	4	-450.00	-1.04	-0.83	-1.047e+04	568.94	701.81	36.25
		1	7	-450.00	-0.08	-0.25	-4834.11	224.26	52.23	14.37
		1	13	-450.00	-171.27	-110.29	-8077.00	5.523e+04	8.543e+04	8660.84
		1	41	-450.00	-24.94	-256.75	-9619.77	1.282e+05	1.248e+04	7446.61
		1	44	-450.00	23.80	255.71	-4515.73	-1.274e+05	-1.172e+04	-7399.48
		1	45	-450.00	-74.95	-48.35	-7507.51	2.427e+04	3.744e+04	3787.08
		1	73	-450.00	-11.19	-112.16	-8179.74	5.605e+04	5653.57	3258.01
		1	76	-450.00	10.05	111.13	-5955.76	-5.532e+04	-4888.86	-3210.87
		1	78	-450.00	-0.57	-0.52	-7068.83	362.75	379.92	23.51
		1	79	-450.00	-0.06	-0.25	-4838.06	216.16	43.31	14.17
		1	80	-450.00	-0.57	-0.52	-7067.75	364.96	382.36	23.57
		1	82	-450.00	-0.69	-0.59	-7626.25	399.95	464.68	25.86
		1	83	-450.00	-0.07	-0.25	-4835.55	221.32	48.99	14.30
		1	84	-450.00	-0.70	-0.59	-7622.66	407.33	472.79	26.04
240	PALO D 20.00	1	4	-450.00	-1.48	-0.22	-1.078e+04	162.96	987.43	2.39
		1	5	-450.00	-0.22	0.03	-5066.63	25.48	144.68	1.22

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	13	-450.00	-183.04	-109.94	-8431.17	5.499e+04	9.141e+04	8660.89
		1	41	-450.00	-34.70	-256.91	-9357.40	1.283e+05	1.738e+04	7433.42
		1	44	-450.00	33.01	256.70	-5224.23	-1.281e+05	-1.625e+04	-7430.13
		1	45	-450.00	-80.23	-47.96	-7787.70	2.401e+04	4.015e+04	3774.73
		1	73	-450.00	-15.60	-112.00	-8191.29	5.594e+04	7893.48	3239.89
		1	76	-450.00	13.90	111.79	-6390.35	-5.576e+04	-6762.37	-3236.60
		1	77	-450.00	-0.22	0.03	-5069.32	26.21	145.72	1.22
		1	80	-450.00	-0.85	-0.10	-7290.82	90.96	565.55	1.65
		1	81	-450.00	-0.22	0.03	-5069.32	26.21	145.72	1.22
		1	84	-450.00	-1.01	-0.14	-7863.00	111.66	677.02	1.75
242	PALO D 20.00	1	4	-450.00	0.60	-0.01	-1.145e+04	33.27	-395.39	-7.69
		1	5	-450.00	-0.18	0.06	-5738.20	8.13	117.98	1.30
		1	6	-450.00	0.66	-0.03	-9413.24	17.44	-437.41	-7.84
		1	13	-450.00	-240.32	-21.66	-5327.94	1.073e+04	1.198e+05	8660.42
		1	16	-450.00	240.85	21.69	-1.022e+04	-1.070e+04	-1.202e+05	-8667.68
		1	23	-450.00	256.07	-140.35	-9597.72	7.017e+04	-1.278e+05	-1.472e+04
		1	35	-450.00	85.65	-258.83	-7455.48	1.292e+05	-4.281e+04	-7831.08
		1	45	-450.00	-104.56	-9.43	-6706.80	4684.21	5.211e+04	3771.55
		1	48	-450.00	105.09	9.46	-8836.31	-4651.83	-5.247e+04	-3778.81
		1	55	-450.00	111.73	-61.15	-8567.27	3.059e+04	-5.579e+04	-6416.92
		1	67	-450.00	37.47	-112.77	-7633.83	5.632e+04	-1.875e+04	-3414.28
		1	77	-450.00	-0.18	0.06	-5756.53	8.90	118.36	1.28
		1	78	-450.00	0.27	0.01	-7716.55	13.87	-177.85	-3.59
		1	80	-450.00	0.27	0.01	-7771.55	16.19	-176.70	-3.63
		1	81	-450.00	-0.18	0.06	-5756.53	8.90	118.36	1.28
		1	82	-450.00	0.38	-3.13e-04	-8206.56	15.11	-251.90	-4.81
		1	84	-450.00	0.37	-1.06e-03	-8389.89	22.85	-248.06	-4.95
245	PALO D 20.00	1	3	-450.00	-0.11	0.02	-7964.91	61.53	72.40	-3.35e-03
		1	4	-450.00	0.35	-0.03	-1.157e+04	40.41	-229.44	-11.12
		1	5	-450.00	-0.08	0.02	-5853.26	34.49	53.52	0.24
		1	6	-450.00	0.38	-0.03	-9459.76	13.37	-248.32	-10.88
		1	13	-450.00	-248.28	-21.65	-5075.12	1.072e+04	1.238e+05	8655.88
		1	16	-450.00	248.60	21.65	-1.064e+04	-1.067e+04	-1.240e+05	-8667.41
		1	23	-450.00	269.24	-140.35	-9776.85	7.018e+04	-1.344e+05	-1.472e+04
		1	35	-450.00	92.56	-258.79	-7216.63	1.292e+05	-4.624e+04	-7835.20
		1	45	-450.00	-108.09	-9.44	-6645.96	4687.68	5.390e+04	3768.37
		1	48	-450.00	108.41	9.43	-9071.97	-4633.51	-5.411e+04	-3779.89
		1	55	-450.00	117.41	-61.16	-8694.64	3.059e+04	-5.861e+04	-6418.65
		1	67	-450.00	40.42	-112.76	-7579.08	5.631e+04	-2.021e+04	-3417.28
		1	77	-450.00	-0.08	0.02	-5873.82	35.45	53.69	0.22
		1	78	-450.00	0.16	-3.27e-03	-7797.28	24.19	-107.30	-5.71
		1	79	-450.00	-0.08	0.02	-5935.50	38.35	54.18	0.17
		1	80	-450.00	0.16	-4.36e-03	-7858.96	27.08	-106.81	-5.76
		1	81	-450.00	-0.08	0.02	-5873.82	35.45	53.69	0.22
		1	82	-450.00	0.22	-9.83e-03	-8278.15	21.37	-147.54	-7.19
		1	83	-450.00	-0.08	0.02	-6079.41	45.10	55.32	0.04
		1	84	-450.00	0.22	-0.01	-8483.74	31.02	-145.91	-7.37
246	PALO D 20.00	1	3	-450.00	-0.08	-0.13	-8172.71	162.89	50.64	-10.25
		1	4	-450.00	0.09	0.14	-1.173e+04	-66.94	-60.09	-0.49
		1	5	-450.00	-0.06	-0.09	-5981.52	109.14	38.73	-7.42
		1	6	-450.00	0.11	0.18	-9535.55	-120.69	-72.00	2.34
		1	13	-450.00	-256.27	-30.26	-5402.62	1.502e+04	1.279e+05	8664.50
		1	16	-450.00	256.34	30.36	-1.053e+04	-1.503e+04	-1.279e+05	-8669.20
		1	23	-450.00	282.40	-125.54	-9436.11	6.276e+04	-1.409e+05	-1.472e+04
		1	34	-450.00	-99.40	250.93	-9094.90	-1.252e+05	4.962e+04	7823.31
		1	45	-450.00	-111.65	-13.16	-6850.60	6537.71	5.570e+04	3774.05
		1	48	-450.00	111.71	13.26	-9086.86	-6554.87	-5.574e+04	-3778.75
		1	55	-450.00	123.07	-54.68	-8608.11	2.734e+04	-6.142e+04	-6416.25
		1	66	-450.00	-43.29	109.37	-8459.43	-5.457e+04	2.161e+04	3407.52
		1	77	-450.00	-0.06	-0.09	-6004.45	110.35	38.75	-7.45
		1	79	-450.00	-0.06	-0.09	-6073.25	113.99	38.80	-7.56
		1	80	-450.00	0.03	0.05	-7968.73	-8.58	-20.26	-2.35
		1	81	-450.00	-0.06	-0.09	-6004.45	110.35	38.75	-7.45
		1	83	-450.00	-0.06	-0.10	-6233.78	122.50	38.92	-7.80
		1	84	-450.00	0.06	0.08	-8603.13	-30.72	-34.90	-1.30
248	PALO D 20.00	1	1	-450.00	-0.54	0.25	-7258.16	-98.48	360.80	0.0
		1	4	-450.00	-1.74	-0.06	-1.301e+04	59.15	1162.35	0.0
		1	5	-450.00	-0.41	0.19	-5569.49	-78.04	274.62	0.0
		1	13	-450.00	-192.68	-92.16	-8944.81	4.609e+04	9.640e+04	0.0
		1	41	-450.00	-42.46	-242.08	-9698.01	1.209e+05	2.133e+04	0.0
		1	44	-450.00	40.38	242.14	-7513.54	-1.209e+05	-1.994e+04	0.0
		1	45	-450.00	-84.55	-40.14	-8753.50	2.008e+04	4.240e+04	0.0
		1	73	-450.00	-19.09	-105.46	-9081.70	5.269e+04	9685.24	0.0
		1	76	-450.00	17.00	105.53	-8129.86	-5.269e+04	-8294.19	0.0

Nodo	Tipo	Palo	Cmb	Quota	Fx	Fy	Fz	Mx	My	Mz
		1	77	-450.00	-0.42	0.19	-5577.24	-76.75	276.27	0.0
		1	80	-450.00	-1.04	0.03	-8605.78	0.86	695.52	0.0
		1	81	-450.00	-0.42	0.19	-5577.24	-76.75	276.27	0.0
		1	84	-450.00	-1.22	-0.01	-9411.34	28.34	810.63	0.0
249	PALO D 20.00	1	3	-450.00	-0.10	-0.76	-8206.56	582.42	63.73	1.97
		1	4	-450.00	-0.23	0.50	-1.173e+04	-311.63	154.65	-0.76
		1	5	-450.00	-0.07	-0.56	-6004.50	420.86	46.47	1.49
		1	22	-450.00	-282.66	50.60	-8938.35	-2.518e+04	1.411e+05	1.471e+04
		1	38	-450.00	-64.11	219.50	-9754.31	-1.095e+05	3.200e+04	-419.36
		1	39	-450.00	63.81	-219.29	-6196.77	1.094e+05	-3.181e+04	419.45
		1	44	-450.00	97.59	226.79	-9459.40	-1.131e+05	-4.870e+04	-7432.07
		1	54	-450.00	-123.24	22.11	-8395.07	-1.100e+04	6.154e+04	6411.66
		1	70	-450.00	-28.02	95.71	-8750.60	-4.773e+04	1.400e+04	-182.70
		1	71	-450.00	27.72	-95.49	-7200.48	4.763e+04	-1.381e+04	182.79
		1	76	-450.00	42.44	98.88	-8622.10	-4.933e+04	-2.117e+04	-3238.34
		1	77	-450.00	-0.07	-0.56	-6027.66	422.90	46.66	1.49
		1	79	-450.00	-0.07	-0.56	-6097.15	429.02	47.24	1.50
		1	80	-450.00	-0.15	0.11	-7975.54	-47.81	95.72	0.04
		1	81	-450.00	-0.07	-0.56	-6027.66	422.90	46.66	1.49
		1	83	-450.00	-0.08	-0.58	-6259.29	443.31	48.58	1.51
		1	84	-450.00	-0.17	0.26	-8607.28	-152.73	109.19	-0.31
250	PALO D 20.00	1	1	-450.00	0.40	-1.20	-6503.50	863.92	-266.97	0.0
		1	4	-450.00	0.20	-2.58	-1.244e+04	1746.49	-130.12	0.0
		1	5	-450.00	0.31	-0.92	-4997.32	661.63	-205.59	0.0
		1	16	-450.00	174.57	73.12	-7932.40	-3.622e+04	-8.728e+04	0.0
		1	38	-450.00	-68.36	218.29	-6722.19	-1.087e+05	3.417e+04	0.0
		1	39	-450.00	68.77	-221.59	-9577.36	1.109e+05	-3.444e+04	0.0
		1	41	-450.00	-26.24	-228.78	-9481.57	1.145e+05	1.304e+04	0.0
		1	48	-450.00	76.18	30.93	-8055.06	-1.515e+04	-3.811e+04	0.0
		1	70	-450.00	-29.68	94.18	-7527.74	-4.671e+04	1.482e+04	0.0
		1	71	-450.00	30.08	-97.49	-8771.82	4.897e+04	-1.508e+04	0.0
		1	73	-450.00	-11.32	-100.62	-8730.08	5.053e+04	5608.85	0.0
		1	77	-450.00	0.31	-0.92	-5000.36	663.28	-205.46	0.0
		1	80	-450.00	0.20	-1.65	-8149.78	1125.72	-133.14	0.0
		1	81	-450.00	0.31	-0.92	-5000.36	663.28	-205.46	0.0
		1	84	-450.00	0.17	-1.84	-8956.10	1251.66	-114.23	0.0
252	PALO D 20.00	1	1	-450.00	0.24	0.17	-7409.16	-45.08	-163.42	0.51
		1	4	-450.00	-0.93	0.08	-1.128e+04	-34.30	618.46	8.81
		1	5	-450.00	0.18	0.13	-5670.70	-35.62	-125.29	0.36
		1	6	-450.00	-0.99	0.04	-9296.64	-32.84	660.19	8.40
		1	18	-450.00	-233.38	21.20	-9781.76	-1.047e+04	1.165e+05	8788.53
		1	19	-450.00	232.50	-21.04	-5556.87	1.041e+04	-1.159e+05	-8779.09
		1	22	-450.00	-242.88	-8.65	-9730.23	4431.46	1.212e+05	1.472e+04
		1	44	-450.00	77.23	256.96	-7660.57	-1.283e+05	-3.848e+04	-7428.69
		1	50	-450.00	-101.94	9.29	-8589.76	-4581.98	5.091e+04	3832.08
		1	51	-450.00	101.06	-9.12	-6748.86	4517.98	-5.033e+04	-3822.64
		1	54	-450.00	-106.08	-3.72	-8567.31	1912.86	5.299e+04	6418.43
		1	76	-450.00	33.40	112.01	-7665.50	-5.591e+04	-1.660e+04	-3234.23
		1	77	-450.00	0.19	0.13	-5686.89	-35.09	-125.52	0.38
		1	78	-450.00	-0.44	0.08	-7620.73	-33.60	293.39	4.67
		1	80	-450.00	-0.44	0.08	-7669.31	-32.00	292.68	4.72
		1	81	-450.00	0.19	0.13	-5686.89	-35.09	-125.52	0.38
		1	82	-450.00	-0.60	0.07	-8104.19	-33.23	398.12	5.74
		1	84	-450.00	-0.59	0.07	-8266.13	-27.90	395.73	5.91
Nodo					Fx	Fy	Fz	Mx	My	Mz
					-282.66	-258.98	-1.442e+04	-1.292e+05	-1.411e+05	-1.474e+04
					282.62	258.88	-4380.51	1.293e+05	1.411e+05	1.474e+04

RISULTATI ELEMENTI TIPO TRAVE

LEGENDA RISULTATI ELEMENTI TIPO TRAVE

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo trave, è possibile in relazione alle tabelle sotto riportate.

Gli elementi vengono suddivisi in relazione alle proprietà in elementi:

- tipo **pilastro**
- tipo **trave in elevazione**
- tipo **trave in fondazione**

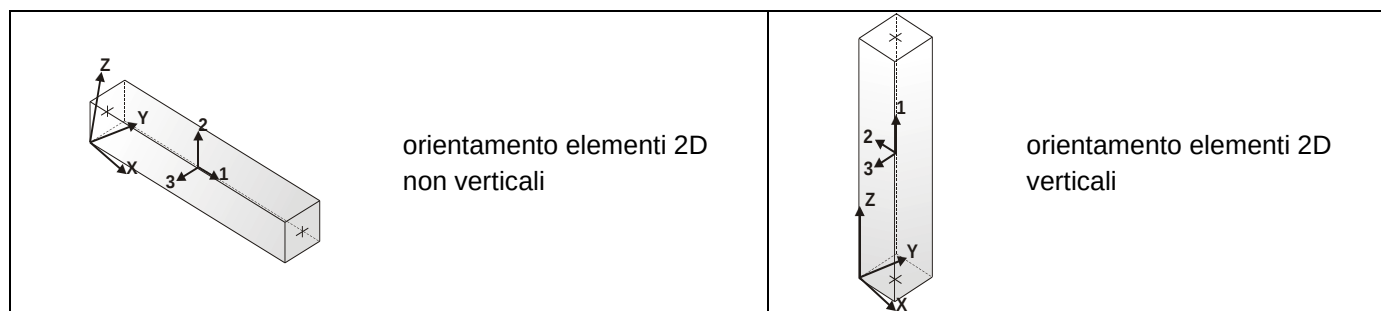
Per ogni elemento e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.

Per gli elementi tipo *pilastro* sono riportati in tabella i seguenti valori:

Pilas.	numero dell'elemento pilastro
Cmb	combinazione in cui si verificano i valori riportati
M3 mx/mn	momento flettente in campata M3 max (prima riga) / min (seconda riga)
M2 mx/mn	momento flettente in campata M2 max (prima riga) / min (seconda riga)
D2/D3	freccia massima in direzione 2 (prima riga) / direzione 3 (seconda riga)
Q2/Q3	carico totale in direzione 2 (prima riga) / direzione 3 (seconda riga)
Pos.	ascissa del punto iniziale e finale dell'elemento
N, V2, ecc..	sei componenti di sollecitazione al piede ed in sommità dell'elemento

Per gli elementi tipo *trave in elevazione* sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri.

Per gli elementi tipo *trave in fondazione* (trave f.) sono riportati, oltre al numero dell'elemento, i medesimi risultati visti per i pilastri e la massima pressione sul terreno.



Pilas.	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
3	3	8505.57	2.045e+05	2.41e-03	0.0	0.0	-1.178e+04	-43.75	938.96	82.22	-1.711e+05	8505.57
		-8995.08	-1.711e+05	-0.08	0.0	400.0	-1.022e+04	-43.75	938.96	82.22	2.045e+05	-8995.08
3	4	4194.75	2.782e+05	-4.26e-03	0.0	0.0	-1.479e+04	-30.78	1235.56	-1190.24	-2.160e+05	4194.75
		-8118.70	-2.160e+05	-0.08	0.0	400.0	-1.323e+04	-30.78	1235.56	-1190.24	2.782e+05	-8118.70
3	5	5804.88	1.142e+05	1.63e-03	0.0	0.0	-7084.93	-29.50	547.41	59.99	-1.048e+05	5804.88
		-5996.77	-1.048e+05	-0.04	0.0	400.0	-5884.93	-29.50	547.41	59.99	1.142e+05	-5996.77
3	22	5.343e+05	2.241e+05	0.47	0.0	0.0	-8759.57	-1892.94	1144.42	-1608.39	-2.337e+05	5.343e+05
		-2.228e+05	-2.337e+05	-0.20	0.0	400.0	-7559.57	-1892.94	1144.42	-1608.39	2.241e+05	-2.228e+05
3	23	2.112e+05	1.089e+05	-0.47	0.0	0.0	-9813.10	1845.27	371.90	373.03	-3.988e+04	-5.269e+05
		-5.269e+05	-3.988e+04	0.13	0.0	400.0	-8613.10	1845.27	371.90	373.03	1.089e+05	-2.112e+05
3	41	1.891e+05	2.450e+05	0.16	0.0	0.0	-7519.56	-677.79	-769.13	5049.54	2.450e+05	1.891e+05
		-8.199e+04	-6.266e+04	0.57	0.0	400.0	-6319.56	-677.79	-769.13	5049.54	-6.266e+04	-8.199e+04
3	44	7.038e+04	3.956e+05	-0.16	0.0	0.0	-1.105e+04	630.12	2285.44	-6284.90	-5.186e+05	-1.817e+05
		-1.817e+05	-5.186e+05	-0.64	0.0	400.0	-9853.11	630.12	2285.44	-6284.90	3.956e+05	-1.817e+05
3	54	2.349e+05	1.916e+05	0.20	0.0	0.0	-9056.81	-838.26	926.46	-1049.36	-1.790e+05	2.349e+05
		-1.004e+05	-1.790e+05	-0.11	0.0	400.0	-7856.81	-838.26	926.46	-1049.36	1.916e+05	-1.004e+05
3	55	8.876e+04	1.414e+05	-0.21	0.0	0.0	-9515.86	790.59	589.85	-186.00	-9.456e+04	-2.275e+05
		-2.275e+05	-9.456e+04	0.04	0.0	400.0	-8856.17	790.59	589.85	-186.00	1.414e+05	-2.275e+05
3	73	8.451e+04	6.663e+04	0.07	0.0	0.0	-8516.50	-308.78	92.67	1851.69	2.956e+04	8.451e+04
		-3.900e+04	2.956e+04	0.23	0.0	400.0	-7316.50	-308.78	92.67	1851.69	6.663e+04	-3.900e+04
3	76	2.739e+04	2.663e+05	-0.07	0.0	0.0	-1.006e+04	261.11	1423.64	-3087.05	-3.031e+05	-7.705e+04
		-7.705e+04	-3.031e+05	-0.30	0.0	400.0	-8856.17	261.11	1423.64	-3087.05	2.663e+05	-7.705e+04
3	77	5860.32	1.174e+05	1.64e-03	0.0	0.0	-7233.46	-29.82	560.55	60.23	-1.068e+05	5860.32
		-6066.10	-1.068e+05	-0.04	0.0	400.0	-6033.46	-29.82	560.55	60.23	1.174e+05	-6066.10
3	79	6026.66	1.271e+05	1.69e-03	0.0	0.0	-7679.02	-30.75	599.97	60.97	-1.128e+05	6026.66
		-6274.06	-1.128e+05	-0.05	0.0	400.0	-6479.02	-30.75	599.97	60.97	1.271e+05	-6274.06
3	80	3727.56	1.665e+05	-1.87e-03	0.0	0.0	-9286.34	-23.84	758.16	-617.68	-1.368e+05	3727.56
		-5806.66	-1.368e+05	-0.05	0.0	400.0	-8086.34	-23.84	758.16	-617.68	1.665e+05	-5806.66
3	81	5860.32	1.174e+05	1.64e-03	0.0	0.0	-7233.46	-29.82	560.55	60.23	-1.068e+05	5860.32
		-6066.10	-1.068e+05	-0.04	0.0	400.0	-6033.46	-29.82	560.55	60.23	1.174e+05	-6066.10
3	83	6414.79	1.498e+05	1.81e-03	0.0	0.0	-8718.66	-32.94	691.95	62.68	-1.270e+05	6414.79
		-6759.32	-1.270e+05	-0.06	0.0	400.0	-7518.66	-32.94	691.95	62.68	1.498e+05	-6759.32
3	84	3540.91	1.990e+05	-2.64e-03	0.0	0.0	-1.073e+04	-24.29	889.68	-785.63	-1.569e+05	3540.91
		-6175.07	-1.569e+05	-0.06	0.0	400.0	-9527.81	-24.29	889.68	-785.63	1.990e+05	-6175.07
4	4	1.274e+04	2.065e+05	-9.03e-03	0.0	0.0	-1.181e+04	73.22	952.72	-1428.32	-1.746e+05	-1.654e+04
		-1.654e+04	-1.746e+05	-0.05	0.0	400.0	-1.025e+04	73.22	952.72	-1428.32	2.065e+05	-1.654e+04
4	5	5812.23	1.141e+05	-1.13e-03	0.0	0.0	-7085.20	27.73	546.72	-7.21	-1.046e+05	-5280.39
		-5280.39	-1.046e+05	-0.04	0.0	400.0	-5885.20	27.73	546.72	-7.21	1.141e+05	-5280.39
4	22	5.066e+05	1.983e+05	0.46	0.0	0.0	-9094.36	-1735.01	1083.98	2227.07	-2.353e+05	5.066e+05
		-1.874e+05	-2.353e+05	-0.21	0.0	400.0	-7894.36	-1735.01	1083.98	2227.07	1.983e+05	-1.874e+05
4	23	2.038e+05	5.811e+04	-0.47	0.0	0.0	-6301.24	1826.88	130.22	-3753.06	6017.50	-5.269e+05
		-5.269e+05	6017.50	0.16	0.0	400.0	-5101.24	1826.88	130.22	-3753.06	5.811e+04	-5.269e+05
4	34	1.739e+05	3.452e+05	0.16	0.0	0.0	-9549.93	-591.51	2088.19	6824.65	-4.901e+05	1.739e+05
		-6.270e+04	-4.901e+05	-0.63	0.0	400.0	-8349.93	-591.51	2088.19	6824.65	3.452e+05	-6.270e+04
4	35	7.913e+04	2.608e+05	-0.17	0.0	0.0	-5845.67	683.37	-873.99	-8350.65	2.608e+05	-1.942e+05
		-1.942e+05	-8.877e+04	0.58	0.0	400.0	-4645.67	683.37	-873.99	-8350.65	-8.877e+04	7.913e+04
4	54	2.150e+05	1.588e+05	0.20	0.0	0.0	-8306.32	-730.08	814.89	539.86	-1.672e+05	2.150e+05
		-7.701e+04	-1.672e+05	-0.10	0.0	400.0	-7106.32	-730.08	814.89	539.86	1.588e+05	-7.701e+04
4	55	9.345e+04	9.767e+04	-0.21	0.0	0.0	-7089.28	821.94	399.31	-2065.86	-6.206e+04	-2.353e+05
		-2.353e+05	-6.206e+04	0.06	0.0	400.0	-5889.28	821.94	399.31	-2065.86	9.767e+04	-2.353e+05
4	66	7.004e+04	2.228e+05	0.06	0.0	0.0	-8504.83	-231.82	1252.45	2543.16	-2.782e+05	7.004e+04
		-2.268e+04	-2.782e+05	-0.29	0.0	400.0	-7304.83	-231.82	1252.45	2543.16	2.228e+05	-2.268e+04
4	67	3.912e+04	4.897e+04	-0.07	0.0	0.0	-6890.77	323.69	-38.25	-4069.16	4.897e+04	-9.036e+04
		-9.036e+04	3.367e+04	0.24	0.0	400.0	-5690.77	323.69	-38.25	-4069.16	3.367e+04	3.912e+04
4	77	5881.36	1.173e+05	-1.14e-03	0.0	0.0	-7233.72	28.04	559.86	-7.40	-1.066e+05	-5335.28
		-5335.28	-1.066e+05	-0.04	0.0	400.0	-6033.72	28.04	559.86	-7.40	1.173e+05	-5335.28
4	80	8217.90	1.282e+05	-5.04e-03	0.0	0.0	-7697.80	45.93	607.10	-763.00	-1.146e+05	-1.016e+04
		-1.016e+04	-1.146e+05	-0.03	0.0	400.0	-6497.80	45.93	607.10	-763.00	1.282e+05	-1.016e+04
4	81	5881.36	1.173e+05	-1.14e-03	0.0	0.0	-7233.72	28.04	559.86	-7.40	-1.066e+05	-5335.28
		-5335.28	-1.066e+05	-0.04	0.0	400.0	-6033.72	28.04	559.86	-7.40	1.173e+05	-5335.28
4	84	9234.09	1.512e+05	-6.14e-03	0.0	0.0	-8742.07	52.34	701.03	-953.08	-1.292e+05	-1.170e+04
		-1.170e+04	-1.292e+05	-0.04	0.0	400.0	-7542.07	52.34	701.03	-953.08	1.512e+05	-1.170e+04
6	3	2.596e+04	1.455e+05	0.01	0.0	0.0	-1.130e+04	253.04	-834.53	-5.29	1.455e+05	-7.525e+04
		-7.525e+04	-1.883e+05	0.08	0.0	400.0	-9742.05	253.04	-834.53	-5.29	1.883e+05	-7.525e+04
6	4	3.994e+04	1.569e+05	0.02	0.0	0.0	-1.108e+04	384.78	-864.02	-1364.94	-1.887e+05	-1.140e+05
		-1.140e+05	-1.887e+05	0.11	0.0	400.0	-9516.85	384.78	-864.02	-1364.94	1.569e+05	-1.140e+05
6	6	3.211e+04	9.640e+04	0.01	0.0	0.0	-6518.03	314.31	-499.33	-1361.59	9.640e+04	-9.362e+04
		-9.362e+04	-1.033e+05	0.07	0.0	400.0	-5318.03	314.31	-499.33	-1361.59	-1.033e+05	3.211e+04
6	13	4.149e+05	2.195e+05	0.50	0.0	0.0	-8522.23	-1499.64	-1004.45	-9717.78	2.195e+05	-1.850e+05
		-1.850e+05	-1.822e+05	0.26	0.0	400.0	-7322.23	-1499.64	-1004.45	-9717.78	-1.822e+05	-1.850e+05
6	16	2.372e+05	-2.116e+04	-0.49	0.0	0.0	-5896.67	2012.56	-70.14	8262.33	-2.116e+04	-5.678e+05
		-5.678e+05	-4.921e+04	-0.14	0.0	400.0	-4696.67	2012.56	-70.14	8262.33	-4.921e+04	-5.678e+05
6	29	1.006e+05	4.864e+05	0.18	0.0	0.0	-9035.52	-379.04	-2045.92	-1.012e+04	4.864e+05	1.006e+05

		-5.103e+04	-3.320e+05	0.67	0.0	400.0	-7835.52	-379.04	-2045.92	-1.012e+04	-3.320e+05	-5.103e+04
6	32	1.033e+05	1.005e+05	-0.17	0.0	0.0	-5383.38	891.96	971.33	8666.33	-2.880e+05	-2.535e+05
		-2.535e+05	-2.880e+05	-0.54	0.0	400.0	-4183.38	891.96	971.33	8666.33	1.005e+05	1.033e+05
6	35	6.779e+04	4.876e+05	-0.11	0.0	0.0	-8559.69	615.61	-2051.89	-8313.47	4.876e+05	1.785e+05
		-1.785e+05	-3.331e+05	0.66	0.0	400.0	-7359.69	615.61	-2051.89	-8313.47	-3.331e+05	6.779e+04
6	45	1.376e+05	1.516e+05	0.22	0.0	0.0	-7781.47	-508.72	-740.85	-4644.95	1.516e+05	1.376e+05
		-6.585e+04	-1.447e+05	0.15	0.0	400.0	-6581.47	-508.72	-740.85	-4644.95	-1.447e+05	-6.585e+04
6	48	1.181e+05	4.675e+04	-0.21	0.0	0.0	-6637.43	1021.65	-333.74	3189.51	4.675e+04	-2.905e+05
		-2.905e+05	-8.675e+04	-0.03	0.0	400.0	-5437.43	1021.65	-333.74	3189.51	-8.675e+04	1.181e+05
6	61	693.25	2.679e+05	0.08	0.0	0.0	-8005.12	-20.45	-1194.65	-4820.99	2.679e+05	693.25
		-7484.85	-2.100e+05	0.32	0.0	400.0	-6805.12	-20.45	-1194.65	-4820.99	-2.100e+05	-7484.85
6	64	5.976e+04	-2.150e+04	-0.07	0.0	0.0	-6413.78	533.37	120.05	3365.54	-6.952e+04	-1.536e+05
		-1.536e+05	-6.952e+04	-0.20	0.0	400.0	-5213.78	533.37	120.05	3365.54	-2.150e+04	5.976e+04
6	67	4.429e+04	2.684e+05	-0.05	0.0	0.0	-7797.79	412.95	-1197.25	-4033.06	2.684e+05	-1.209e+05
		-1.209e+05	-2.105e+05	0.32	0.0	400.0	-6597.79	412.95	-1197.25	-4033.06	-2.105e+05	4.429e+04
6	78	2.572e+04	9.313e+04	0.01	0.0	0.0	-6769.71	253.74	-498.50	-727.24	9.313e+04	-2.905e+05
		-7.577e+04	-1.063e+05	0.06	0.0	400.0	-5569.71	253.74	-498.50	-727.24	-1.063e+05	2.572e+04
6	79	1.868e+04	9.314e+04	7.60e-03	0.0	0.0	-7329.55	186.20	-521.57	-2.58	9.314e+04	-5.579e+04
		-5.579e+04	-1.155e+05	0.05	0.0	400.0	-6129.55	186.20	-521.57	-2.58	-1.155e+05	1.868e+04
6	80	2.614e+04	9.919e+04	0.01	0.0	0.0	-7209.45	256.46	-537.30	-727.72	9.919e+04	-7.645e+04
		-7.645e+04	-1.157e+05	0.06	0.0	400.0	-6009.45	256.46	-537.30	-727.72	-1.157e+05	2.614e+04
6	82	2.759e+04	9.464e+04	0.01	0.0	0.0	-6739.68	271.31	-502.43	-908.53	9.464e+04	-8.093e+04
		-8.093e+04	-1.063e+05	0.06	0.0	400.0	-5539.68	271.31	-502.43	-908.53	-1.063e+05	2.759e+04
6	83	1.965e+04	1.073e+05	7.69e-03	0.0	0.0	-8355.62	192.55	-612.10	-3.70	1.073e+05	-5.737e+04
		-5.737e+04	-1.376e+05	0.06	0.0	400.0	-7155.62	192.55	-612.10	-3.70	-1.376e+05	1.965e+04
6	84	2.897e+04	1.148e+05	0.01	0.0	0.0	-8205.49	280.38	-631.76	-910.13	1.148e+05	-8.318e+04
		-8.318e+04	-1.379e+05	0.08	0.0	400.0	-7005.49	280.38	-631.76	-910.13	-1.379e+05	2.897e+04
8	4	1.185e+05	1.860e+05	-0.01	0.0	0.0	-1.394e+04	-401.18	-1095.16	-1231.70	1.860e+05	1.185e+05
		-4.200e+04	-2.521e+05	0.12	0.0	400.0	-1.238e+04	-401.18	-1095.16	-1231.70	-2.521e+05	-4.200e+04
8	5	5.430e+04	8.487e+04	-7.42e-03	0.0	0.0	-6743.68	-180.21	-469.14	52.78	8.487e+04	5.430e+04
		-1.779e+04	-1.028e+05	0.05	0.0	400.0	-5543.68	-180.21	-469.14	52.78	-1.028e+05	-1.779e+04
8	18	5.812e+05	-7578.26	0.50	0.0	0.0	-7480.52	-2100.77	-179.12	-5382.06	-7578.26	5.812e+05
		-2.591e+05	-7.923e+04	-0.14	0.0	400.0	-6280.52	-2100.77	-179.12	-5382.06	-7.923e+04	-2.591e+05
8	19	2.048e+05	2.369e+05	-0.50	0.0	0.0	-9993.27	1571.77	-1141.60	4098.40	2.369e+05	-4.239e+05
		-4.239e+05	-2.198e+05	0.26	0.0	400.0	-8793.27	1571.77	-1141.60	4098.40	-2.198e+05	2.048e+05
8	38	2.562e+05	7.938e+04	0.17	0.0	0.0	-7004.25	-913.56	896.51	-8122.15	-2.792e+05	2.562e+05
		-1.092e+05	-2.792e+05	-0.54	0.0	400.0	-5804.25	-913.56	896.51	-8122.15	7.938e+04	-1.092e+05
8	39	5.493e+04	5.085e+05	-0.17	0.0	0.0	-1.047e+04	384.56	-2217.23	6838.49	5.085e+05	-9.890e+04
		-9.890e+04	-3.784e+05	0.67	0.0	400.0	-9269.55	384.56	-2217.23	6838.49	-3.784e+05	5.493e+04
8	41	1.868e+05	5.099e+05	0.11	0.0	0.0	-1.001e+04	-655.95	-2223.44	7239.28	5.099e+05	1.868e+05
		-7.554e+04	-3.795e+05	0.67	0.0	400.0	-8810.51	-655.95	-2223.44	7239.28	-3.795e+05	-7.554e+04
8	50	2.977e+05	6.139e+04	0.22	0.0	0.0	-8189.46	-1064.61	-450.67	-2707.29	6.139e+04	-1.282e+05
		-1.282e+05	-1.189e+05	-0.02	0.0	400.0	-6989.46	-1064.61	-450.67	-2707.29	-1.189e+05	2.977e+05
8	51	7.392e+04	1.679e+05	-0.22	0.0	0.0	-9284.34	535.62	-870.05	1423.63	1.679e+05	-1.403e+05
		-1.403e+05	-1.801e+05	0.15	0.0	400.0	-8084.34	535.62	-870.05	1423.63	-1.801e+05	7.392e+04
8	70	1.560e+05	-4.977e+04	0.08	0.0	0.0	-7981.93	-547.31	18.01	-3901.22	-5.697e+04	1.560e+05
		-6.289e+04	-5.697e+04	-0.20	0.0	400.0	-6781.93	-547.31	18.01	-3901.22	-4.977e+04	-6.289e+04
8	71	8622.50	2.863e+05	-0.07	0.0	0.0	-9491.86	18.32	-1338.73	2617.56	2.863e+05	1295.54
		1295.54	-2.492e+05	0.33	0.0	400.0	-8291.86	18.32	-1338.73	2617.56	-2.492e+05	8622.50
8	73	1.258e+05	2.869e+05	0.05	0.0	0.0	-9291.85	-435.06	-1341.44	2792.20	2.869e+05	-4.823e+04
		-4.823e+04	-2.497e+05	0.33	0.0	400.0	-8091.85	-435.06	-1341.44	2792.20	-2.497e+05	1.258e+05
8	77	5.452e+04	8.689e+04	-7.43e-03	0.0	0.0	-6890.27	-181.12	-482.07	52.99	8.689e+04	5.452e+04
		-1.793e+04	-1.059e+05	0.05	0.0	400.0	-5690.27	-181.12	-482.07	52.99	-1.059e+05	-1.793e+04
8	80	7.866e+04	1.147e+05	-9.97e-03	0.0	0.0	-8736.90	-264.50	-660.36	-641.83	1.147e+05	7.866e+04
		-2.714e+04	-1.495e+05	0.07	0.0	400.0	-7536.90	-264.50	-660.36	-641.83	-1.495e+05	-2.714e+04
8	81	5.452e+04	8.689e+04	-7.43e-03	0.0	0.0	-6890.27	-181.12	-482.07	52.99	8.689e+04	5.452e+04
		-1.793e+04	-1.059e+05	0.05	0.0	400.0	-5690.27	-181.12	-482.07	52.99	-1.059e+05	-1.793e+04
8	84	8.610e+04	1.342e+05	-0.01	0.0	0.0	-1.011e+04	-291.00	-785.76	-814.21	1.342e+05	8.610e+04
		-3.030e+04	-1.801e+05	0.08	0.0	400.0	-8914.69	-291.00	-785.76	-814.21	-1.801e+05	-3.030e+04
11	3	1.037e+04	7.674e+04	3.09e-03	0.0	0.0	-5648.54	-54.69	301.92	181.14	-4.403e+04	1.037e+04
		-1.150e+04	-4.403e+04	-0.03	0.0	400.0	-4088.54	-54.69	301.92	181.14	7.674e+04	-1.150e+04
11	4	8987.01	7.303e+04	-3.04e-03	0.0	0.0	-5607.47	-55.33	271.13	-1045.47	-3.543e+04	8987.01
		-1.314e+04	-3.543e+04	-0.02	0.0	400.0	-4047.47	-55.33	271.13	-1045.47	7.303e+04	-1.314e+04
11	6	5906.07	4.138e+04	-3.97e-03	0.0	0.0	-3763.36	-38.34	143.36	-1109.29	-1.596e+04	5906.07
		-9428.99	-1.596e+04	7.03e-03	0.0	400.0	-2563.36	-38.34	143.36	-1109.29	4.138e+04	-9428.99
11	18	4.124e+05	1.263e+05	0.41	0.0	0.0	-6097.75	-1299.29	745.74	-9336.27	-1.720e+05	4.124e+05
		-1.073e+05	-1.720e+05	-0.24	0.0	400.0	-4897.75	-1299.29	745.74	-9336.27	1.263e+05	-1.073e+05
11	19	8.934e+04	1.264e+05	-0.41	0.0	0.0	-1792.29	1220.58	-395.37	8275.76	1.264e+05	-3.989e+05
		-3.989e+05	-3.172e+04	0.23	0.0	400.0	-592.29	1220.58	-395.37	8275.76	-3.172e+04	8.934e+04
11	25	4.604e+05	1.285e+05	0.44	0.0	0.0	-5083.50	-1464.15	-399.23	1814.54	1.285e+05	4.604e+05
		-1.252e+05	-3.119e+04	0.19	0.0	400.0	-3883.50	-1464.15	-399.23	1814.54	-3.119e+04	-1.252e+05
11	28	1.073e+05	1.258e+05	-0.45	0.0	0.0	-2806.53	1385.44	749.61	-2875.05	-1.740e+05	-4.469e+05
		-4.469e+05	-1.740e+05	-0.20	0.0	400.0	-1606.53	1385.44	749.61	-2875.05	1.258e+05	1.073e+05
11	41	1.697e+05	4.220e+05	0.15	0.0	0.0	-2856.06	-555.62	-1520.40	5813.62	4.220e+05	1.697e+05
		-5.258e+04	-1.861e+05	0.62	0.0	400.0	-1656.06	-555.62	-1520.40	5813.62	-1.861e+05	-5.258e+04
11	44	3.462e+04	2.808e+05	-0.15	0.0	0.0	-5033.97	476.91	1870.78	-6874.14	-4.676e+05	3.462e+04
		-1.561e+05	-4.676e+05	-0.63	0.0	400.0	-3833.97	476.91	1870.78	-6874.14	2.808e+05	-1.561e+05

11	50	1.835e+05	8.174e+04	0.18	0.0	0.0	-4883.03	-588.35	423.80	-4367.29	-8.778e+04	1.835e+05
		-5.182e+04	-8.778e+04	-0.11	0.0	400.0	-3683.03	-588.35	423.80	-4367.29	8.174e+04	-5.182e+04
11	51	3.386e+04	4.224e+04	-0.18	0.0	0.0	-3007.01	509.64	-73.42	3306.78	4.224e+04	-1.700e+05
		-1.700e+05	1.287e+04	0.10	0.0	400.0	-1807.01	509.64	-73.42	3306.78	1.287e+04	3.386e+04
11	57	2.044e+05	4.314e+04	0.19	0.0	0.0	-4441.09	-660.18	-75.10	491.44	4.314e+04	2.044e+05
		-5.964e+04	1.310e+04	0.08	0.0	400.0	-3241.09	-660.18	-75.10	491.44	1.310e+04	-5.964e+04
11	60	4.168e+04	8.151e+04	-0.20	0.0	0.0	-3448.95	581.47	425.48	-1551.95	-8.868e+04	-1.909e+05
		-1.909e+05	-8.868e+04	-0.09	0.0	400.0	-3219.51	581.47	425.48	-1551.95	8.151e+04	4.168e+04
11	73	7.774e+04	1.710e+05	0.07	0.0	0.0	-3470.53	-264.30	-563.63	2233.96	1.710e+05	7.774e+04
		-2.798e+04	-5.442e+04	0.27	0.0	400.0	-2270.53	-264.30	-563.63	2233.96	-5.442e+04	-2.798e+04
11	76	1.002e+04	1.490e+05	-0.07	0.0	0.0	-4419.51	185.60	914.00	-3294.47	-2.166e+05	-6.422e+04
		-6.422e+04	-2.166e+05	-0.28	0.0	400.0	-3219.51	185.60	914.00	-3294.47	1.490e+05	1.002e+04
11	78	6604.24	4.416e+04	-1.17e-03	0.0	0.0	-3823.15	-38.37	162.09	-535.22	-2.067e+04	6604.24
		-8743.59	-2.067e+04	-0.01	0.0	400.0	-2623.15	-38.37	162.09	-535.22	4.416e+04	-8743.59
11	79	7498.05	4.929e+04	2.18e-03	0.0	0.0	-3966.92	-39.02	191.61	123.94	-2.736e+04	7498.05
		-8108.17	-2.736e+04	-0.02	0.0	400.0	-2766.92	-39.02	191.61	123.94	4.929e+04	-8108.17
11	80	6759.18	4.731e+04	-1.11e-03	0.0	0.0	-3945.02	-39.35	175.19	-530.26	-2.277e+04	6759.18
		-8982.48	-2.277e+04	-0.01	0.0	400.0	-2745.02	-39.35	175.19	-530.26	4.731e+04	-8982.48
11	82	6419.52	4.367e+04	-1.96e-03	0.0	0.0	-3817.67	-38.45	157.98	-698.77	-1.953e+04	6419.52
		-8962.17	-1.953e+04	-9.23e-03	0.0	400.0	-2248.95	-38.45	157.98	-698.77	4.367e+04	-8962.17
11	83	7859.59	5.662e+04	2.33e-03	0.0	0.0	-4251.29	-41.31	222.17	135.52	-3.225e+04	7859.59
		-8665.58	-3.225e+04	-0.02	0.0	400.0	-3051.29	-41.31	222.17	135.52	5.662e+04	-8665.58
11	84	6935.99	5.414e+04	-1.77e-03	0.0	0.0	-4223.90	-41.74	201.65	-682.22	-2.652e+04	6935.99
		-9758.47	-2.652e+04	-0.01	0.0	400.0	-3023.90	-41.74	201.65	-682.22	5.414e+04	-9758.47
14	4	1.156e+05	8.195e+04	-0.01	0.0	0.0	-6453.79	-409.09	-441.94	-1182.11	8.195e+04	1.156e+05
		-4.806e+04	-9.483e+04	0.06	0.0	400.0	-4893.79	-409.09	-441.94	-1182.11	-9.483e+04	-4.806e+04
14	5	5.141e+04	4.520e+04	-6.22e-03	0.0	0.0	-4135.64	-178.36	-250.03	62.09	4.520e+04	5.141e+04
		-1.993e+04	-5.481e+04	0.03	0.0	400.0	-2935.64	-178.36	-250.03	62.09	-5.481e+04	-1.993e+04
14	18	4.698e+05	1.758e+04	0.48	0.0	0.0	-5633.95	-1565.06	293.19	-9304.52	-9.970e+04	4.698e+05
		-1.562e+05	-9.970e+04	-0.20	0.0	400.0	-4433.95	-1565.06	293.19	-9304.52	1.758e+04	-1.562e+05
14	19	9.430e+04	2.069e+05	-0.48	0.0	0.0	-3344.71	1029.43	-870.16	8082.32	2.069e+05	-3.175e+05
		-3.175e+05	-1.412e+05	0.27	0.0	400.0	-2144.71	1029.43	-870.16	8082.32	-1.412e+05	9.430e+04
14	25	4.268e+05	2.041e+05	0.44	0.0	0.0	-6641.03	-1406.35	-860.59	2028.52	2.041e+05	4.268e+05
		-1.357e+05	-1.402e+05	0.23	0.0	400.0	-5441.03	-1406.35	-860.59	2028.52	-1.402e+05	-1.357e+05
14	28	7.384e+04	1.658e+04	-0.43	0.0	0.0	-2337.63	870.73	283.62	-3250.72	-9.687e+04	-2.745e+05
		-2.745e+05	-9.687e+04	-0.16	0.0	400.0	-1137.63	870.73	283.62	-3250.72	1.658e+04	7.384e+04
14	38	2.171e+05	1.722e+05	0.17	0.0	0.0	-3408.37	-739.15	1421.17	-9060.83	-3.962e+05	2.171e+05
		-7.854e+04	-3.962e+05	-0.60	0.0	400.0	-2208.37	-739.15	1421.17	-9060.83	1.722e+05	-7.854e+04
14	39	1.663e+04	5.034e+05	-0.16	0.0	0.0	-5570.29	203.52	-1998.14	7838.63	5.034e+05	-6.478e+04
		-6.478e+04	-2.958e+05	0.67	0.0	400.0	-4370.29	203.52	-1998.14	7838.63	-2.958e+05	1.663e+04
14	50	2.477e+05	-1.320e+04	0.21	0.0	0.0	-4988.07	-833.06	-35.03	-4399.08	-1.320e+04	2.477e+05
		-8.553e+04	-2.722e+04	-0.06	0.0	400.0	-3788.07	-833.06	-35.03	-4399.08	2.722e+04	-8.553e+04
14	51	2.362e+04	1.204e+05	-0.21	0.0	0.0	-3990.59	297.43	-541.94	3176.88	1.204e+05	-9.535e+04
		-9.535e+04	-9.639e+04	0.14	0.0	400.0	-2790.59	297.43	-541.94	3176.88	-9.639e+04	2.362e+04
14	57	2.290e+05	1.192e+05	0.19	0.0	0.0	-5426.89	-763.91	-537.77	539.06	1.192e+05	2.290e+05
		-7.661e+04	-9.596e+04	0.12	0.0	400.0	-4226.89	-763.91	-537.77	539.06	-9.596e+04	-7.661e+04
14	60	1.471e+04	-1.197e+04	-0.19	0.0	0.0	-3551.77	228.28	-39.20	-1761.26	-1.197e+04	-7.660e+04
		-7.660e+04	-2.765e+04	-0.05	0.0	400.0	-2351.77	228.28	-39.20	-1761.26	2.765e+04	1.471e+04
14	71	1.476e+04	2.496e+05	-0.07	0.0	0.0	-4960.34	-62.44	-1033.43	3070.69	2.496e+05	1.476e+04
		-1.022e+04	-1.638e+05	0.31	0.0	400.0	-3760.34	-62.44	-1033.43	3070.69	-1.638e+05	-1.022e+04
14	77	5.164e+04	4.596e+04	-6.23e-03	0.0	0.0	-4177.92	-179.32	-254.60	62.03	4.596e+04	5.164e+04
		-2.009e+04	-5.588e+04	0.03	0.0	400.0	-2977.92	-179.32	-254.60	62.03	-5.588e+04	-2.009e+04
14	80	7.617e+04	5.359e+04	-8.42e-03	0.0	0.0	-4489.33	-267.81	-288.48	-611.10	5.359e+04	7.617e+04
		-3.095e+04	-6.180e+04	0.04	0.0	400.0	-3289.33	-267.81	-288.48	-611.10	-6.180e+04	-3.095e+04
14	81	5.164e+04	4.596e+04	-6.23e-03	0.0	0.0	-4177.92	-179.32	-254.60	62.03	4.596e+04	5.164e+04
		-2.009e+04	-5.588e+04	0.03	0.0	400.0	-2977.92	-179.32	-254.60	62.03	-5.588e+04	-2.009e+04
14	84	8.378e+04	6.025e+04	-9.05e-03	0.0	0.0	-4831.40	-295.99	-325.53	-779.76	6.025e+04	8.378e+04
		-3.462e+04	-6.996e+04	0.04	0.0	400.0	-3631.40	-295.99	-325.53	-779.76	-6.996e+04	-3.462e+04
15	4	-4.806e+04	-9.067e+04	-2.12e-03	0.0	0.0	-4685.79	-409.09	-441.94	-1182.11	-9.067e+04	-4.806e+04
		-8.897e+04	-1.349e+05	-0.03	0.0	100.0	-4295.79	-409.09	-441.94	-1182.11	-1.349e+05	-8.897e+04
15	5	1.993e+04	-5.161e+04	-7.74e-04	0.0	0.0	-2775.64	-178.36	-250.03	62.09	-5.161e+04	-1.993e+04
		-3.777e+04	-7.661e+04	-0.02	0.0	100.0	-2475.64	-178.36	-250.03	62.09	-7.661e+04	-3.777e+04
15	18	-1.562e+05	4.296e+04	0.12	0.0	0.0	-4273.95	-1340.20	221.84	-1.008e+04	2.078e+04	-1.562e+05
		-2.902e+05	2.078e+04	-0.06	0.0	100.0	-3973.95	-1340.20	221.84	-1.008e+04	4.296e+04	-2.902e+05
15	19	1.748e+05	-1.380e+05	-0.12	0.0	0.0	-1984.71	804.57	-798.81	8859.56	-1.380e+05	9.430e+04
		9.430e+04	-2.179e+05	0.02	0.0	100.0	-1684.71	804.57	-798.81	8859.56	-2.179e+05	1.748e+05
15	25	-1.357e+05	-1.370e+05	0.11	0.0	0.0	-5281.03	-1233.16	-789.25	1406.03	-1.370e+05	-1.357e+05
		-2.591e+05	-2.159e+05	0.02	0.0	100.0	-4981.03	-1233.16	-789.25	1406.03	-2.159e+05	-2.591e+05
15	28	1.436e+05	4.100e+04	-0.11	0.0	0.0	-977.63	697.54	212.28	-2628.23	1.978e+04	7.384e+04
		7.384e+04	1.978e+04	-0.05	0.0	100.0	-677.63	697.54	212.28	-2628.23	4.100e+04	1.436e+05
15	38	7.854e+04	2.938e+05	0.04	0.0	0.0	-2048.37	-671.70	1183.35	-9294.00	1.754e+05	-7.854e+04
		-1.457e+05	1.754e+05	-0.13	0.0	100.0	-1748.37	-671.70	1183.35	-9294.00	2.938e+05	-1.457e+05
15	39	3.024e+04	-2.926e+05	-0.04	0.0	0.0	-4210.29	136.07	-1760.32	8071.80	-2.926e+05	1.663e+04
		1.663e+04	-4.687e+05	0.09	0.0	100.0	-3910.29	136.07	-1760.32	8071.80	-4.687e+05	3.024e+04
15	50	-8.553e+04	-2.402e+04	0.05	0.0	0.0	-3628.07	-735.09	-66.12	-4737.74	-2.402e+04	-8.553e+04
		-1.590e+05	-3.063e+04	-0.04	0.0	100.0	-3328.07	-735.09	-66.12	-4737.74	-3.063e+04	-1.590e+05
15	51	4.357e+04	-9.319e+04	-0.05	0.0	0.0	-2630.59	199.46	-510.85	3515.54	-9.319e+04	2.362e+04

		2.362e+04	-1.443e+05	4.86e-03	0.0	100.0	-2330.59	199.46	-510.85	3515.54	-1.443e+05	4.357e+04
15	57	-7.661e+04	-9.276e+04	0.05	0.0	0.0	-4066.89	-688.45	-506.68	267.82	-9.276e+04	-7.661e+04
		-1.455e+05	-1.434e+05	-4.29e-03	0.0	100.0	-3766.89	-688.45	-506.68	267.82	-1.434e+05	-1.455e+05
15	60	2.999e+04	-2.445e+04	-0.05	0.0	0.0	-2191.77	152.82	-70.29	-1490.02	-2.445e+04	1.471e+04
		1.471e+04	-3.148e+04	-0.03	0.0	100.0	-1891.77	152.82	-70.29	-1490.02	-3.148e+04	2.999e+04
15	70	-5.169e+04	7.865e+04	0.02	0.0	0.0	-2658.32	-443.80	352.84	-4394.49	4.337e+04	-5.169e+04
		-9.607e+04	4.337e+04	-0.06	0.0	100.0	-2358.32	-443.80	352.84	-4394.49	7.865e+04	-9.607e+04
15	71	-1.022e+04	-1.606e+05	-0.02	0.0	0.0	-3600.34	-91.83	-929.81	3172.29	-1.606e+05	-1.022e+04
		-1.940e+04	-2.536e+05	0.03	0.0	100.0	-3300.34	-91.83	-929.81	3172.29	-2.536e+05	-1.940e+04
15	77	-2.009e+04	-5.268e+04	-7.95e-04	0.0	0.0	-2817.92	-179.32	-254.60	62.03	-5.268e+04	-2.009e+04
		-3.802e+04	-7.814e+04	-0.02	0.0	100.0	-2517.92	-179.32	-254.60	62.03	-7.814e+04	-3.802e+04
15	80	-3.095e+04	-5.860e+04	-1.26e-03	0.0	0.0	-3129.33	-267.81	-288.48	-611.10	-5.860e+04	-3.095e+04
		-5.773e+04	-8.745e+04	-0.02	0.0	100.0	-2829.33	-267.81	-288.48	-611.10	-8.745e+04	-5.773e+04
15	81	-2.009e+04	-5.268e+04	-7.95e-04	0.0	0.0	-2817.92	-179.32	-254.60	62.03	-5.268e+04	-2.009e+04
		-3.802e+04	-7.814e+04	-0.02	0.0	100.0	-2517.92	-179.32	-254.60	62.03	-7.814e+04	-3.802e+04
15	84	-3.462e+04	-6.676e+04	-1.51e-03	0.0	0.0	-3471.40	-295.99	-325.53	-779.76	-6.676e+04	-3.462e+04
		-6.422e+04	-9.931e+04	-0.02	0.0	100.0	-3171.40	-295.99	-325.53	-779.76	-9.931e+04	-6.422e+04
17	3	-1.150e+04	1.028e+05	-2.07e-03	0.0	0.0	-3880.54	-54.69	301.92	181.14	7.258e+04	-1.150e+04
		-1.697e+04	7.258e+04	0.03	0.0	100.0	-3490.54	-54.69	301.92	181.14	1.028e+05	-1.697e+04
17	4	-1.314e+04	9.598e+04	-4.30e-03	0.0	0.0	-3839.47	-55.33	271.13	-1045.47	6.887e+04	-1.314e+04
		-1.868e+04	6.887e+04	0.04	0.0	100.0	-3449.47	-55.33	271.13	-1045.47	9.598e+04	-1.868e+04
17	5	-7789.65	5.931e+04	-1.37e-03	0.0	0.0	-2444.43	-37.70	174.14	117.32	4.190e+04	-7789.65
		-1.156e+04	4.190e+04	0.02	0.0	100.0	-2144.43	-37.70	174.14	117.32	5.931e+04	-1.156e+04
17	6	-9428.99	5.252e+04	-3.59e-03	0.0	0.0	-2403.36	-38.34	143.36	-1109.29	3.818e+04	-9428.99
		-1.326e+04	3.818e+04	0.02	0.0	100.0	-2103.36	-38.34	143.36	-1109.29	5.252e+04	-1.326e+04
17	18	-1.073e+05	1.906e+05	0.11	0.0	0.0	-4737.75	-1120.95	674.40	-8695.68	1.231e+05	-1.073e+05
		-2.194e+05	1.231e+05	-0.02	0.0	100.0	-4437.75	-1120.95	674.40	-8695.68	1.906e+05	-2.194e+05
17	19	1.936e+05	-3.492e+04	-0.12	0.0	0.0	-432.29	1042.25	-324.02	7635.17	-3.492e+04	1.936e+05
		8.934e+04	-6.732e+04	0.06	0.0	100.0	-132.29	1042.25	-324.02	7635.17	-6.732e+04	8.934e+04
17	25	-1.252e+05	-3.439e+04	0.12	0.0	0.0	-3723.50	-1244.44	-327.88	2573.68	-3.439e+04	-1.252e+05
		-2.497e+05	-6.718e+04	0.05	0.0	100.0	-3423.50	-1244.44	-327.88	2573.68	-6.718e+04	-2.497e+05
17	28	2.238e+05	1.904e+05	-0.13	0.0	0.0	-1446.53	1165.73	678.26	-3634.19	1.226e+05	2.238e+05
		1.073e+05	1.226e+05	-0.01	0.0	100.0	-1146.53	1165.73	678.26	-3634.19	1.904e+05	1.073e+05
17	38	-2.976e+04	4.409e+05	0.03	0.0	0.0	-4661.34	-275.01	1631.79	-8620.32	2.777e+05	-2.976e+04
		-5.726e+04	2.777e+05	-0.08	0.0	100.0	-4361.34	-275.01	1631.79	-8620.32	4.409e+05	-5.726e+04
17	39	3.142e+04	-1.895e+05	-0.03	0.0	0.0	-508.70	196.30	-1281.42	7559.81	-1.895e+05	3.142e+04
		1.179e+04	3.177e+05	0.13	0.0	100.0	-208.70	196.30	-1281.42	7559.81	3.177e+05	1.179e+04
17	50	-5.182e+04	1.178e+05	0.05	0.0	0.0	-3523.03	-510.64	392.71	-4088.17	7.854e+04	-5.182e+04
		-1.029e+05	7.854e+04	5.56e-03	0.0	100.0	-3223.03	-510.64	392.71	-4088.17	1.178e+05	-1.029e+05
17	51	7.705e+04	9671.50	-0.05	0.0	0.0	-1647.01	431.93	-42.33	3027.66	9671.50	7.705e+04
		3.386e+04	5438.34	0.04	0.0	100.0	-1347.01	431.93	-42.33	3027.66	5438.34	3.386e+04
17	57	-5.964e+04	9903.26	0.05	0.0	0.0	-3081.09	-564.44	-44.01	822.22	9903.26	-5.964e+04
		-1.161e+05	5501.84	0.04	0.0	100.0	-2781.09	-564.44	-44.01	822.22	5501.84	-1.161e+05
17	60	9.025e+04	1.177e+05	-0.06	0.0	0.0	-2088.95	485.74	394.39	-1882.73	7.831e+04	9.025e+04
		4.168e+04	7.831e+04	9.43e-03	0.0	100.0	-1788.95	485.74	394.39	-1882.73	1.177e+05	4.168e+04
17	70	-1.803e+04	2.269e+05	0.01	0.0	0.0	-3489.73	-142.04	809.87	-4055.33	1.459e+05	-1.803e+04
		-3.224e+04	1.459e+05	-0.02	0.0	100.0	-3189.73	-142.04	809.87	-4055.33	2.269e+05	-3.224e+04
17	71	6401.66	-5.769e+04	-0.02	0.0	0.0	-1680.30	63.33	-459.50	2994.82	-5.769e+04	6401.66
		68.78	-1.036e+05	0.07	0.0	100.0	-1380.30	63.33	-459.50	2994.82	-1.036e+05	68.78
17	77	-7869.28	6.080e+04	-1.39e-03	0.0	0.0	-2485.05	-38.03	178.51	118.97	4.295e+04	-7869.28
		-1.167e+04	4.295e+04	0.02	0.0	100.0	-2185.05	-38.03	178.51	118.97	6.080e+04	-1.167e+04
17	78	-8743.59	5.717e+04	-2.57e-03	0.0	0.0	-2463.15	-38.37	162.09	-535.22	4.096e+04	-8743.59
		-1.258e+04	4.096e+04	0.02	0.0	100.0	-2163.15	-38.37	162.09	-535.22	5.717e+04	-1.258e+04
17	79	-8108.17	6.525e+04	-1.44e-03	0.0	0.0	-2606.92	-39.02	191.61	123.94	6.409e+04	-8108.17
		-1.201e+04	4.609e+04	0.02	0.0	100.0	-2306.92	-39.02	191.61	123.94	6.525e+04	-1.201e+04
17	80	-8982.48	6.162e+04	-2.62e-03	0.0	0.0	-2585.02	-39.35	175.19	-530.26	4.411e+04	-8982.48
		-1.292e+04	4.411e+04	0.02	0.0	100.0	-2285.02	-39.35	175.19	-530.26	6.162e+04	-1.292e+04
17	81	-7869.28	6.080e+04	-1.39e-03	0.0	0.0	-2485.05	-38.03	178.51	118.97	4.295e+04	-7869.28
		-1.167e+04	4.295e+04	0.02	0.0	100.0	-2185.05	-38.03	178.51	118.97	6.080e+04	-1.167e+04
17	82	-8962.17	5.627e+04	-2.87e-03	0.0	0.0	-2457.67	-38.45	157.98	-698.77	4.047e+04	-8962.17
		-1.281e+04	4.047e+04	0.02	0.0	100.0	-2157.67	-38.45	157.98	-698.77	5.627e+04	-1.281e+04
17	83	-8665.58	7.563e+04	-1.56e-03	0.0	0.0	-2891.29	-41.31	222.17	135.52	5.342e+04	-8665.58
		-1.280e+04	5.342e+04	0.02	0.0	100.0	-2591.29	-41.31	222.17	135.52	7.563e+04	-1.280e+04
17	84	-9758.47	7.110e+04	-3.04e-03	0.0	0.0	-2863.90	-41.74	201.65	-682.22	5.094e+04	-9758.47
		-1.393e+04	5.094e+04	0.03	0.0	100.0	-2563.90	-41.74	201.65	-682.22	7.110e+04	-1.393e+04
18	4	1.638e+05	3.217e+04	-0.02	0.0	0.0	-2.069e+04	612.42	-133.49	477.37	3.217e+04	1.638e+05
		-1.117e+05	-2.790e+04	-0.01	-1.17e-03	450.0	-1.894e+04	612.42	-133.49	477.37	-2.790e+04	-1.117e+05
18	5	7.183e+04	1.170e+04	-0.01	0.0	0.0	-1.342e+04	243.25	-52.42	141.42	1.170e+04	7.183e+04
		-3.763e+04	-1.189e+04	-9.82e-03	-9.00e-04	450.0	-1.207e+04	243.25	-52.42	141.42	-1.189e+04	-3.763e+04
18	16	2.104e+05	1.558e+04	-0.09	0.0	0.0	-1.444e+04	865.90	-61.90	3258.20	1.558e+04	2.104e+05
		-1.793e+05	-1.228e+04	-0.03	-9.00e-04	450.0	-1.309e+04	865.90	-61.90	3258.20	-1.228e+04	-1.793e+05
18	29	5.869e+04	3.217e+04	0.03	0.0	0.0	-1.648e+04	166.53	-143.17	-704.68	3.217e+04	5.869e+04
		-1.624e+04	-3.226e+04	0.03	-9.00e-04	450.0	-1.513e+04	166.53	-143.17	-704.68	-3.226e+04	-1.624e+04
18	32	1.588e+05	8239.27	-0.04	0.0	0.0	-1.370e+04	630.53	-24.92	1298.79	8239.27	1.588e+05
		-1.250e+05	-2976.84	-0.05	-9.00e-04	450.0	-1.235e+04	630.53	-24.92	1298.79	-2976.84	-1.250e+05
18	41	7.316e+04	3.235e+04	0.02	0.0	0.0	-1.640e+04	232.84	-143.27	-231.10	3.235e+04	

18	48	1.530e+05	1.819e+04	-0.05	0.0	0.0	-1.480e+04	602.18	-74.40	1587.31	1.819e+04	-1.180e+05
		-1.180e+05	-1.529e+04	-0.02	-9.00e-04	450.0	-1.345e+04	602.18	-74.40	1587.31	-1.529e+04	1.530e+05
18	61	8.693e+04	2.542e+04	9.43e-03	0.0	0.0	-1.570e+04	297.44	-109.81	-139.43	2.542e+04	-4.692e+04
		-4.692e+04	-2.400e+04	0.01	-9.00e-04	450.0	-1.435e+04	297.44	-109.81	-139.43	-2.400e+04	8.693e+04
18	64	1.305e+05	1.499e+04	-0.02	0.0	0.0	-1.448e+04	499.62	-58.29	733.54	1.499e+04	-9.429e+04
		-9.429e+04	-1.124e+04	-0.02	-9.00e-04	450.0	-1.313e+04	499.62	-58.29	733.54	-1.124e+04	1.305e+05
18	73	9.324e+04	2.550e+04	-7.91e-03	0.0	0.0	-1.566e+04	326.33	-109.85	66.92	2.550e+04	-5.361e+04
		-5.361e+04	-2.394e+04	0.01	-9.00e-04	450.0	-1.431e+04	326.33	-109.85	66.92	-2.394e+04	1.087e+05
18	77	7.196e+04	1.180e+04	-0.01	0.0	0.0	-1.343e+04	243.77	-53.03	141.60	1.180e+04	-3.773e+04
		-3.773e+04	-1.207e+04	-0.01	-9.00e-04	450.0	-1.208e+04	243.77	-53.04	141.60	-1.207e+04	7.196e+04
18	80	1.087e+05	2.020e+04	-0.01	0.0	0.0	-1.509e+04	398.53	-84.05	297.06	2.020e+04	-7.060e+04
		-7.060e+04	-1.762e+04	-7.27e-03	-9.00e-04	450.0	-1.374e+04	398.53	-84.05	297.06	-1.762e+04	1.087e+05
18	81	7.196e+04	1.180e+04	-0.01	0.0	0.0	-1.343e+04	243.77	-53.03	141.60	1.180e+04	-3.773e+04
		-3.773e+04	-1.207e+04	-0.01	-9.00e-04	450.0	-1.208e+04	243.77	-53.04	141.60	-1.207e+04	7.196e+04
18	84	1.187e+05	2.295e+04	-0.02	0.0	0.0	-1.558e+04	440.44	-95.65	337.01	2.295e+04	-7.946e+04
		-7.946e+04	-2.009e+04	-7.87e-03	-9.00e-04	450.0	-1.423e+04	440.44	-95.66	337.01	-2.009e+04	1.187e+05
19	4	9.858e+04	8018.13	8.81e-03	0.0	0.0	-3.682e+04	-506.88	46.19	236.45	-1.277e+04	9.858e+04
		-1.295e+05	-1.277e+04	-8.03e-03	0.0	450.0	-3.507e+04	-506.88	46.19	236.45	8018.13	-1.295e+05
19	5	2.959e+04	-2413.77	6.74e-03	0.0	0.0	-2.327e+04	-187.34	9.13	41.15	-6520.39	2.959e+04
		-5.471e+04	-6520.39	-9.34e-03	0.0	450.0	-2.192e+04	-187.34	9.13	41.15	-2413.77	-5.471e+04
19	8	8.938e+04	8045.75	6.82e-03	0.0	0.0	-2.958e+04	-448.98	40.98	223.98	-1.040e+04	8.938e+04
		-1.127e+05	-1.040e+04	-4.77e-03	0.0	450.0	-2.823e+04	-448.98	40.98	223.98	8045.75	-1.127e+05
19	16	4.731e+04	-2164.19	-0.07	0.0	0.0	-2.623e+04	-371.56	-15.26	3217.99	-2164.19	4.731e+04
		-1.199e+05	-9029.22	-8.89e-03	0.0	450.0	-2.488e+04	-371.56	-15.26	3217.99	-9029.22	-1.199e+05
19	18	7.723e+04	-1045.48	0.07	0.0	0.0	-2.533e+04	-286.80	-29.43	-2865.07	-1045.48	7.723e+04
		-5.183e+04	-1.429e+04	-0.03	0.0	450.0	-2.398e+04	-286.80	-29.43	-2865.07	-1.429e+04	-5.183e+04
19	38	7.128e+04	1.434e+04	0.02	0.0	0.0	-2.459e+04	-328.61	-134.32	-839.42	1.434e+04	7.128e+04
		-7.659e+04	-4.611e+04	-0.05	0.0	450.0	-2.324e+04	-328.61	-134.32	-839.42	-4.611e+04	-7.659e+04
19	39	5.054e+04	5.001e+04	-0.03	0.0	0.0	-2.778e+04	-319.21	177.98	1116.31	-3.008e+04	5.054e+04
		-9.310e+04	-3.008e+04	0.03	0.0	450.0	-2.643e+04	-319.21	177.98	1116.31	5.001e+04	-9.310e+04
19	48	5.499e+04	-2832.09	-0.03	0.0	0.0	-2.620e+04	-344.67	5.67	1480.29	-5383.41	5.499e+04
		-1.001e+05	-5383.41	-7.30e-03	0.0	450.0	-2.485e+04	-344.67	5.67	1480.29	-2832.09	-1.001e+05
19	50	6.802e+04	-4895.96	0.03	0.0	0.0	-2.582e+04	-307.74	-0.51	-1170.27	-4895.96	6.802e+04
		-7.046e+04	-5123.76	-0.01	0.0	450.0	-2.447e+04	-307.74	-0.51	-1170.27	-5123.76	-7.046e+04
19	70	6.543e+04	1808.29	0.01	0.0	0.0	-2.549e+04	-325.96	-46.21	-287.64	1808.29	6.543e+04
		-8.125e+04	-1.899e+04	-0.02	0.0	450.0	-2.414e+04	-325.96	-46.21	-287.64	-1.899e+04	-8.125e+04
19	71	5.639e+04	2.289e+04	-0.01	0.0	0.0	-2.688e+04	-321.86	89.87	564.53	-1.755e+04	5.639e+04
		-8.844e+04	-1.755e+04	0.01	0.0	450.0	-2.553e+04	-321.86	89.87	564.53	2.289e+04	-8.844e+04
19	77	2.973e+04	-2110.94	6.76e-03	0.0	0.0	-2.338e+04	-188.08	10.20	41.20	-6700.00	2.973e+04
		-5.490e+04	-6700.00	-9.54e-03	0.0	450.0	-2.203e+04	-188.08	10.20	41.20	-2110.94	-5.490e+04
19	80	6.091e+04	1953.32	6.59e-03	0.0	0.0	-2.619e+04	-323.91	21.83	138.45	-7869.29	6.091e+04
		-8.485e+04	-7869.29	-6.07e-03	0.0	450.0	-2.484e+04	-323.91	21.83	138.45	1953.32	-8.485e+04
19	81	2.973e+04	-2110.94	6.76e-03	0.0	0.0	-2.338e+04	-188.08	10.20	41.20	-6700.00	2.973e+04
		-5.490e+04	-6700.00	-9.54e-03	0.0	450.0	-2.203e+04	-188.08	10.20	41.20	-2110.94	-5.490e+04
19	84	6.959e+04	4862.08	6.73e-03	0.0	0.0	-2.759e+04	-362.50	31.44	163.09	-9284.20	6.959e+04
		-9.354e+04	-9284.20	-6.49e-03	0.0	450.0	-2.624e+04	-362.50	31.44	163.09	4862.08	-9.354e+04
20	4	9.151e+04	3.393e+04	0.01	0.0	0.0	-2.091e+04	-525.10	-143.11	165.26	3.393e+04	9.151e+04
		-1.448e+05	-3.047e+04	-8.18e-03	-1.17e-03	450.0	-1.915e+04	-525.10	-143.12	165.26	-3.047e+04	-1.448e+05
20	5	3.325e+04	1.173e+04	9.00e-03	0.0	0.0	-1.344e+04	-224.51	-52.80	9.67	1.173e+04	3.325e+04
		-6.777e+04	-1.203e+04	-9.40e-03	-9.00e-04	450.0	-1.209e+04	-224.51	-52.80	9.67	-1.203e+04	-6.777e+04
20	18	1.662e+05	1.735e+04	0.08	0.0	0.0	-1.453e+04	-809.29	-70.86	-2842.16	1.735e+04	1.662e+05
		-1.980e+05	-1.454e+04	-0.03	-9.00e-04	450.0	-1.318e+04	-809.29	-70.87	-2842.16	-1.454e+04	-1.980e+05
20	35	2.188e+04	3.301e+04	-0.02	0.0	0.0	-1.652e+04	-190.89	-147.11	534.19	3.301e+04	2.188e+04
		-6.402e+04	-3.319e+04	0.03	-9.00e-04	450.0	-1.517e+04	-190.89	-147.11	534.19	-3.319e+04	-6.402e+04
20	38	1.104e+05	9593.93	0.03	0.0	0.0	-1.381e+04	-567.83	-32.14	-824.89	9593.93	1.104e+05
		-1.451e+05	-4868.39	-0.05	-9.00e-04	450.0	-1.246e+04	-567.83	-32.14	-824.89	-4868.39	-1.451e+05
20	39	6572.73	3.272e+04	-0.03	0.0	0.0	-1.661e+04	-124.82	-146.47	1007.10	3.272e+04	6572.73
		-4.960e+04	-3.319e+04	0.03	-9.00e-04	450.0	-1.526e+04	-124.82	-146.47	1007.10	-3.319e+04	-4.960e+04
20	50	1.054e+05	1.950e+04	0.04	0.0	0.0	-1.492e+04	-548.05	-81.27	-1187.00	1.950e+04	1.054e+05
		-1.412e+05	-1.707e+04	-0.01	-9.00e-04	450.0	-1.357e+04	-548.05	-81.27	-1187.00	-1.707e+04	-1.412e+05
20	67	4.254e+04	2.632e+04	-0.01	0.0	0.0	-1.578e+04	-278.60	-114.49	284.17	2.632e+04	4.254e+04
		-8.283e+04	-2.520e+04	0.01	-9.00e-04	450.0	-1.443e+04	-278.60	-114.49	284.17	-2.520e+04	-8.283e+04
20	70	8.111e+04	1.612e+04	0.02	0.0	0.0	-1.460e+04	-442.84	-64.40	-308.02	1.612e+04	8.111e+04
		-1.182e+05	-1.286e+04	-0.02	-9.00e-04	450.0	-1.325e+04	-442.84	-64.40	-308.02	-1.286e+04	-1.182e+05
20	71	3.587e+04	2.619e+04	-0.02	0.0	0.0	-1.582e+04	-249.81	-114.21	490.23	2.619e+04	3.587e+04
		-7.655e+04	-2.520e+04	0.01	-9.00e-04	450.0	-1.447e+04	-249.81	-114.22	490.23	-2.520e+04	-7.655e+04
20	77	3.335e+04	1.184e+04	9.01e-03	0.0	0.0	-1.345e+04	-225.00	-53.42	9.67	1.184e+04	3.335e+04
		-6.790e+04	-1.220e+04	-9.61e-03	-9.00e-04	450.0	-1.210e+04	-225.00	-53.42	9.67	-1.220e+04	-6.790e+04
20	80	5.849e+04	2.116e+04	9.46e-03	0.0	0.0	-1.521e+04	-346.33	-89.31	91.11	2.116e+04	5.849e+04
		-9.736e+04	-1.903e+04	-6.17e-03	-9.00e-04	450.0	-1.386e+04	-346.33	-89.31	91.11	-1.903e+04	-9.736e+04
20	81	3.335e+04	1.184e+04	9.01e-03	0.0	0.0	-1.345e+04	-225.00	-53.42	9.67	1.184e+04	3.335e+04
		-6.790e+04	-1.220e+04	-9.61e-03	-9.00e-04	450.0	-1.210e+04	-225.00	-53.42	9.67	-1.220e+04	-6.790e+04
20	84	6.539e+04	2.413e+04	9.63e-03	0.0	0.0	-1.572e+04	-379.74	-102.12	111.46	2.413e+04	6.539e+04
		-1.055e+05	-2.183e+04	-6.60e-03	-9.00e-04	450.0	-1.437e+04	-379.74	-102.12	111.46	-2.183e+04	-1.055e+05
21	3	7.780e+04	2138.65	-9.86e-03	0.0	0.0	-3.213e+04	271.58	30.62	139.75	-1.164e+04	-4.441e+04
		-4.441e+04	-1.164e+04	-0.02	0.0	450.0	-3.037e+04	271.58	30.62	139.75	2138.65	7.780e+04
21	4	1.442e+05	3968.43	-0.02	0.0	0.0	-3.509e+04	571.99	32.99	402.35	-1.088e+04	-1.132e+05

		-1.132e+05	-1.088e+04	-9.88e-03	0.0	450.0	-3.333e+04	571.99	32.99	402.35	3968.43	1.442e+05
21	5	5.724e+04	-2385.25	-7.35e-03	0.0	0.0	-2.322e+04	198.87	9.28	106.00	-6563.01	-3.225e+04
		-3.225e+04	-6563.01	-9.76e-03	0.0	450.0	-2.187e+04	198.87	9.28	106.00	-2385.25	5.724e+04
21	8	1.266e+05	3987.43	-0.01	0.0	0.0	-2.786e+04	510.60	27.73	370.29	-8492.96	-1.031e+05
		-1.031e+05	-8492.96	-6.48e-03	0.0	450.0	-2.651e+04	510.60	27.73	370.29	3987.43	1.266e+05
21	16	6.347e+04	-429.48	-0.07	0.0	0.0	-2.436e+04	335.51	-34.42	3277.05	-429.48	-8.751e+04
		-8.751e+04	-1.592e+04	-0.03	0.0	450.0	-2.301e+04	335.51	-34.42	3277.05	-1.592e+04	6.347e+04
21	18	1.261e+05	-1026.94	0.07	0.0	0.0	-2.528e+04	402.23	-22.61	-2810.74	-1026.94	-8.155e+04
		-5.494e+04	-1.120e+04	-9.80e-03	0.0	450.0	-2.393e+04	402.23	-22.61	-2810.74	-1.120e+04	1.261e+05
21	29	9.995e+04	4.684e+04	0.02	0.0	0.0	-2.691e+04	349.70	167.54	-814.31	-2.855e+04	-5.742e+04
		-5.742e+04	-2.855e+04	0.03	0.0	450.0	-2.556e+04	349.70	167.54	-814.31	4.684e+04	9.995e+04
21	32	8.698e+04	1.480e+04	-0.03	0.0	0.0	-2.358e+04	374.51	-137.87	1307.33	1.480e+04	-8.155e+04
		-8.155e+04	-4.724e+04	-0.05	0.0	450.0	-2.223e+04	374.51	-137.87	1307.33	-4.724e+04	8.698e+04
21	48	8.039e+04	-4065.69	-0.03	0.0	0.0	-2.486e+04	350.52	-6.63	1567.00	-4065.69	-7.734e+04
		-7.734e+04	-7047.35	-0.02	0.0	450.0	-2.351e+04	350.52	-6.63	1567.00	-7047.35	8.039e+04
21	50	1.077e+05	-4376.02	0.03	0.0	0.0	-2.526e+04	379.59	-1.48	-1085.62	-4376.02	-6.315e+04
		-6.315e+04	-4993.28	-8.33e-03	0.0	450.0	-2.391e+04	379.59	-1.48	-1085.62	-4993.28	1.077e+05
21	61	9.629e+04	2.030e+04	8.48e-03	0.0	0.0	-2.597e+04	356.70	81.37	-215.72	-1.632e+04	-6.422e+04
		-6.422e+04	-1.632e+04	0.01	0.0	450.0	-2.462e+04	356.70	81.37	-215.72	2.030e+04	9.629e+04
21	64	9.064e+04	2571.25	-0.02	0.0	0.0	-2.452e+04	367.51	-51.70	708.74	2571.25	-7.474e+04
		-7.474e+04	-2.070e+04	-0.02	0.0	450.0	-2.317e+04	367.51	-51.70	708.74	-2.070e+04	9.064e+04
21	77	5.744e+04	-2082.39	-7.37e-03	0.0	0.0	-2.333e+04	199.62	10.36	106.11	-6742.70	-3.239e+04
		-3.239e+04	-6742.70	-9.96e-03	0.0	450.0	-2.198e+04	199.62	10.36	106.11	-2082.39	5.744e+04
21	79	5.803e+04	-1173.81	-7.42e-03	0.0	0.0	-2.367e+04	201.88	13.57	106.45	-7281.76	-3.282e+04
		-3.282e+04	-7281.76	-0.01	0.0	450.0	-2.232e+04	201.88	13.57	106.45	-1173.81	5.803e+04
21	80	9.347e+04	-197.93	-0.01	0.0	0.0	-2.525e+04	362.10	14.83	246.51	-6873.57	-6.948e+04
		-6.948e+04	-6873.57	-7.19e-03	0.0	450.0	-2.390e+04	362.10	14.83	246.51	-197.93	9.347e+04
21	81	5.744e+04	-2082.39	-7.37e-03	0.0	0.0	-2.333e+04	199.62	10.36	106.11	-6742.70	-3.239e+04
		-3.239e+04	-6742.70	-9.96e-03	0.0	450.0	-2.198e+04	199.62	10.36	106.11	-2082.39	5.744e+04
21	83	5.939e+04	946.21	-7.55e-03	0.0	0.0	-2.445e+04	207.17	21.08	107.24	-8539.58	-3.383e+04
		-3.383e+04	-8539.58	-0.01	0.0	450.0	-2.310e+04	207.17	21.08	107.24	946.21	5.939e+04
21	84	1.037e+05	2166.06	-0.01	0.0	0.0	-2.643e+04	407.44	22.66	282.31	-8029.33	-7.966e+04
		-7.966e+04	-8029.33	-7.78e-03	0.0	450.0	-2.508e+04	407.44	22.66	282.31	2166.06	1.037e+05
23	3	2.551e+04	-1.840e+05	7.98e-04	0.0	0.0	-9534.65	-249.93	-833.60	72.28	-1.840e+05	-2.551e+04
		-5.050e+04	-2.674e+05	-0.07	0.0	100.0	-9144.65	-249.93	-833.60	72.28	-2.674e+05	-5.050e+04
23	4	4.200e+04	-1.279e+05	1.37e-03	0.0	0.0	-9172.57	-401.18	-1095.16	-1231.70	-1.279e+05	-4.200e+04
		-8.212e+04	-2.374e+05	-0.07	0.0	100.0	-8782.57	-401.18	-1095.16	-1231.70	-2.374e+05	-8.212e+04
23	5	1.779e+04	-9.958e+04	6.75e-04	0.0	0.0	-5383.68	-180.21	-469.14	52.78	-9.958e+04	-1.779e+04
		-3.581e+04	-1.465e+05	-0.04	0.0	100.0	-5083.68	-180.21	-469.14	52.78	-1.465e+05	-3.581e+04
23	6	3.428e+04	-4.352e+04	1.25e-03	0.0	0.0	-5021.60	-331.46	-730.69	-1251.20	-4.352e+04	-3.428e+04
		-6.743e+04	-1.166e+05	-0.04	0.0	100.0	-4721.60	-331.46	-730.69	-1251.20	-1.166e+05	-6.743e+04
23	13	2.591e+05	-1.439e+05	0.10	0.0	0.0	-5366.78	-1487.38	-925.78	-2.197e+04	-1.439e+05	-2.591e+05
		-4.079e+05	-2.365e+05	-0.02	0.0	100.0	-5066.78	-1487.38	-925.78	-2.197e+04	-2.365e+05	-4.079e+05
23	16	3.007e+05	-2.068e+04	-0.10	0.0	0.0	-6187.01	958.38	-394.94	2.069e+04	-2.068e+04	3.007e+05
		2.048e+05	-6.017e+04	-0.06	0.0	100.0	-5887.01	958.38	-394.94	2.069e+04	-6.017e+04	2.048e+05
23	38	1.092e+05	1.768e+05	0.04	0.0	0.0	-4044.25	-729.51	302.67	-1.302e+04	1.768e+05	-1.092e+05
		-1.822e+05	1.466e+05	-0.14	0.0	100.0	-3744.25	-729.51	302.67	-1.302e+04	1.466e+05	-1.822e+05
23	39	7.498e+04	-3.112e+05	-0.04	0.0	0.0	-7509.55	200.52	-1623.39	1.174e+04	-3.112e+05	7.498e+04
		5.493e+04	-4.735e+05	0.05	0.0	100.0	-7209.55	200.52	-1623.39	1.174e+04	-4.735e+05	5.493e+04
23	41	7.554e+04	-3.123e+05	0.02	0.0	0.0	-7050.51	-510.61	-1629.60	3317.56	-3.123e+05	-7.554e+04
		-1.266e+05	-4.753e+05	0.05	0.0	100.0	-6750.51	-510.61	-1629.60	3317.56	-4.753e+05	-1.266e+05
23	44	2.127e+04	1.786e+05	-0.02	0.0	0.0	-4503.29	-18.38	308.89	-4601.22	1.477e+05	2.127e+04
		1.943e+04	1.477e+05	-0.13	0.0	100.0	-4203.29	-18.38	308.89	-4601.22	1.786e+05	1.943e+04
23	45	1.282e+05	-1.091e+05	0.05	0.0	0.0	-5598.20	-797.34	-776.01	-9935.61	-1.091e+05	-1.282e+05
		-2.080e+05	-1.867e+05	-0.03	0.0	100.0	-5298.20	-797.34	-776.01	-9935.61	-1.867e+05	-2.080e+05
23	48	1.008e+05	-5.544e+04	-0.05	0.0	0.0	-5955.60	268.35	-544.71	8651.95	-5.544e+04	1.008e+05
		7.395e+04	-1.099e+05	-0.05	0.0	100.0	-5655.60	268.35	-544.71	8651.95	-1.099e+05	7.395e+04
23	70	6.289e+04	1.743e+04	0.02	0.0	0.0	-5021.93	-467.12	-240.74	-6034.81	1.743e+04	6.289e+04
		-1.096e+05	-6640.27	-0.08	0.0	100.0	-4721.93	-467.12	-240.74	-6034.81	-6640.27	-1.096e+05
23	71	8622.50	-1.820e+05	-0.02	0.0	0.0	-6531.86	-61.88	-1079.98	4751.15	-1.820e+05	8622.50
		2434.94	-2.900e+05	9.19e-03	0.0	100.0	-6231.86	-61.88	-1079.98	4751.15	-2.900e+05	2434.94
23	73	4.823e+04	-1.825e+05	0.01	0.0	0.0	-6331.85	-371.74	-1082.69	1083.39	-1.825e+05	-4.823e+04
		-8.540e+04	-2.908e+05	8.89e-03	0.0	100.0	-6031.85	-371.74	-1082.69	1083.39	-2.908e+05	-8.540e+04
23	76	-6043.67	1.793e+04	-0.01	0.0	0.0	-5221.95	-157.26	-238.03	-2367.05	1.793e+04	-6043.67
		-2.177e+04	-5874.50	-0.08	0.0	100.0	-4921.95	-157.26	-238.03	-2367.05	-5874.50	-2.177e+04
23	77	1.793e+04	-1.027e+05	6.70e-04	0.0	0.0	-5530.27	-181.12	-482.07	52.99	-1.027e+05	1.793e+04
		-3.604e+04	-1.509e+05	-0.04	0.0	100.0	-5230.27	-181.12	-482.07	52.99	-1.509e+05	-3.604e+04
23	78	2.672e+04	-7.284e+04	9.74e-04	0.0	0.0	-5337.15	-261.78	-621.56	-642.47	-7.284e+04	-2.672e+04
		-5.290e+04	-1.350e+05	-0.04	0.0	100.0	-5037.15	-261.78	-621.56	-642.47	-1.350e+05	-5.290e+04
23	79	1.834e+04	-1.122e+05	6.57e-04	0.0	0.0	-5970.01	-183.83	-520.86	53.63	-1.122e+05	-1.834e+04
		-3.672e+04	-1.643e+05	-0.04	0.0	100.0	-5670.01	-183.83	-520.86	53.63	-1.643e+05	-3.672e+04
23	80	2.714e+04	-8.229e+04	9.61e-04	0.0	0.0	-5776.90	-264.50	-660.36	-641.83	-8.229e+04	-2.714e+04
		-5.358e+04	-1.483e+05	-0.04	0.0	100.0	-5476.90	-264.50	-660.36	-641.83	-1.483e+05	-5.358e+04
23	81	1.793e+04	-1.027e+05	6.70e-04	0.0	0.0	-5530.27	-181.12	-482.07	52.99	-1.027e+05	1.793e+04
		-3.604e+04	-1.509e+05	-0.04	0.0	100.0	-5230.27	-181.12	-482.07	52.99	-1.509e+05	-3.604e+04
23	82	2.892e+04	-6.536e+04	1.05e-03	0.0	0.0	-5288.88	-281.95	-656.44	-816.33	-6.536e+04	-2.892e+04
		-5.712e+04	-1.310e+05	-0.04	0.0	100.0	-4988.88	-281.95	-656.44	-816.33	-1.310e+05	-5.712e+04

23	83	-1.930e+04	-1.343e+05	6.25e-04	0.0	0.0	-6996.08	-190.17	-611.39	55.11	-1.343e+05	-1.930e+04
		-3.832e+04	-1.954e+05	-0.05	0.0	100.0	-6696.08	-190.17	-611.39	55.11	-1.954e+05	-3.832e+04
23	84	-3.030e+04	-9.689e+04	1.01e-03	0.0	0.0	-6754.69	-291.00	-785.76	-814.21	-9.689e+04	-3.030e+04
		-5.940e+04	-1.755e+05	-0.05	0.0	100.0	-6454.69	-291.00	-785.76	-814.21	-1.755e+05	-5.940e+04
24	3	5.126e+04	-1.841e+05	-7.51e-04	0.0	0.0	-9534.05	253.04	-834.53	-5.29	-1.841e+05	2.596e+04
		2.596e+04	-2.676e+05	-0.07	0.0	100.0	-9144.05	253.04	-834.53	-5.29	-2.676e+05	5.126e+04
24	4	7.842e+04	-1.846e+05	1.13e-03	0.0	0.0	-9308.85	384.78	-864.02	-1364.94	-1.846e+05	3.994e+04
		3.994e+04	-2.710e+05	-0.06	0.0	100.0	-8918.85	384.78	-864.02	-1364.94	-2.710e+05	7.842e+04
24	5	3.639e+04	-9.968e+04	-6.38e-04	0.0	0.0	-5383.23	182.57	-469.83	-1.94	-9.968e+04	1.813e+04
		1.813e+04	-1.467e+05	-0.04	0.0	100.0	-5083.23	182.57	-469.83	-1.94	-1.467e+05	3.639e+04
24	6	6.354e+04	-1.001e+05	8.27e-04	0.0	0.0	-5158.03	314.31	-499.33	-1361.59	-1.001e+05	3.211e+04
		3.211e+04	-1.501e+05	-0.03	0.0	100.0	-4858.03	314.31	-499.33	-1361.59	-1.501e+05	6.354e+04
24	13	-1.850e+05	-1.790e+05	0.11	0.0	0.0	-7162.23	-1274.78	-940.44	-1.050e+04	-1.790e+05	-1.850e+05
		-3.124e+05	-2.731e+05	8.26e-03	0.0	100.0	-6862.23	-1274.78	-940.44	-1.050e+04	-2.731e+05	-3.124e+05
24	16	4.160e+05	-4.601e+04	-0.11	0.0	0.0	-4536.67	1787.70	-134.16	9039.57	-4.601e+04	2.372e+05
		2.372e+05	-5.943e+04	-0.07	0.0	100.0	-4236.67	1787.70	-134.16	9039.57	-5.943e+04	2.372e+05
24	29	-5.103e+04	-3.288e+05	0.04	0.0	0.0	-7675.52	-311.58	-1832.53	-1.035e+04	-3.288e+05	-5.103e+04
		-8.219e+04	-5.121e+05	0.06	0.0	100.0	-7375.52	-311.58	-1832.53	-1.035e+04	-5.121e+05	-8.219e+04
24	32	1.858e+05	1.795e+05	-0.04	0.0	0.0	-4023.38	824.51	757.94	8899.50	1.037e+05	1.033e+05
		1.033e+05	1.037e+05	-0.13	0.0	100.0	-3723.38	824.51	757.94	8899.50	1.795e+05	1.858e+05
24	34	-1.551e+04	1.812e+05	0.02	0.0	0.0	-4499.20	-50.73	763.90	6671.28	1.049e+05	-1.551e+04
		-2.058e+04	1.049e+05	-0.13	0.0	100.0	-4199.20	-50.73	763.90	6671.28	1.812e+05	-2.058e+04
24	35	1.242e+05	-3.299e+05	-0.02	0.0	0.0	-7199.69	563.65	-1838.50	-8126.73	-3.299e+05	6.779e+04
		6.779e+04	-5.138e+05	0.06	0.0	100.0	-6899.69	563.65	-1838.50	-8126.73	-5.138e+05	1.242e+05
24	45	-6.585e+04	-1.415e+05	0.05	0.0	0.0	-6421.47	-410.74	-712.96	-4983.62	-1.415e+05	-6.585e+04
		-1.069e+05	-2.128e+05	-0.02	0.0	100.0	-6121.47	-410.74	-712.96	-4983.62	-2.128e+05	-1.069e+05
24	48	2.105e+05	-8.355e+04	-0.05	0.0	0.0	-5277.43	923.67	-361.64	3528.17	-8.355e+04	2.105e+05
		1.181e+05	-2.197e+05	-0.05	0.0	100.0	-4977.43	923.67	-361.64	3528.17	-1.197e+05	1.181e+05
24	61	-6590.05	-2.068e+05	0.02	0.0	0.0	-6645.12	8.95	-1101.67	-4922.59	-2.068e+05	-6590.05
		-7484.85	-3.169e+05	0.01	0.0	100.0	-6345.12	8.95	-1101.67	-4922.59	-3.169e+05	-7484.85
24	64	1.102e+05	-1.559e+04	-0.02	0.0	0.0	-5053.78	503.98	27.07	3467.14	-1.830e+04	5.976e+04
		5.976e+04	-1.830e+04	-0.08	0.0	100.0	-4753.78	503.98	27.07	3467.14	-1.559e+04	1.102e+05
24	66	2.025e+04	-1.484e+04	0.01	0.0	0.0	-5261.11	122.61	29.67	2496.24	-1.781e+04	7992.54
		7992.54	-1.781e+04	-0.08	0.0	100.0	-4961.11	122.61	29.67	2496.24	-1.484e+04	2.025e+04
24	67	8.332e+04	-2.073e+05	-0.01	0.0	0.0	-6437.79	390.31	-1104.27	-3951.68	-2.073e+05	4.429e+04
		4.429e+04	-3.177e+05	0.01	0.0	100.0	-6137.79	390.31	-1104.27	-3951.68	-3.177e+05	8.332e+04
24	77	3.662e+04	-1.028e+05	-6.33e-04	0.0	0.0	-5529.81	183.48	-482.77	-2.10	-1.028e+05	1.827e+04
		1.827e+04	-1.511e+05	-0.04	0.0	100.0	-5229.81	183.48	-482.77	-2.10	-1.511e+05	3.662e+04
24	78	5.110e+04	-1.031e+05	-6.66e-04	0.0	0.0	-5409.71	253.74	-498.50	-727.24	-1.031e+05	2.572e+04
		2.572e+04	-1.529e+05	-0.03	0.0	100.0	-5109.71	253.74	-498.50	-727.24	-1.529e+05	5.110e+04
24	79	3.730e+04	-1.123e+05	-6.20e-04	0.0	0.0	-5969.55	186.20	-521.57	-2.58	-1.123e+05	1.868e+04
		1.868e+04	-1.644e+05	-0.04	0.0	100.0	-5669.55	186.20	-521.57	-2.58	-1.644e+05	3.730e+04
24	80	5.179e+04	-1.125e+05	-6.52e-04	0.0	0.0	-5849.45	256.46	-537.30	-727.72	-1.125e+05	2.614e+04
		2.614e+04	-1.663e+05	-0.04	0.0	100.0	-5549.45	256.46	-537.30	-727.72	-1.663e+05	5.179e+04
24	81	3.662e+04	-1.028e+05	-6.33e-04	0.0	0.0	-5529.81	183.48	-482.77	-2.10	-1.028e+05	1.827e+04
		1.827e+04	-1.511e+05	-0.04	0.0	100.0	-5229.81	183.48	-482.77	-2.10	-1.511e+05	3.662e+04
24	82	5.472e+04	-1.031e+05	-6.74e-04	0.0	0.0	-5379.68	271.31	-502.43	-908.53	-1.031e+05	2.759e+04
		2.759e+04	-1.534e+05	-0.03	0.0	100.0	-5079.68	271.31	-502.43	-908.53	-1.534e+05	5.472e+04
24	83	3.891e+04	-1.344e+05	-5.88e-04	0.0	0.0	-6995.62	192.55	-612.10	-3.70	-1.344e+05	1.965e+04
		1.965e+04	-1.956e+05	-0.05	0.0	100.0	-6695.62	192.55	-612.10	-3.70	-1.956e+05	3.891e+04
24	84	5.701e+04	-1.347e+05	7.42e-04	0.0	0.0	-6845.49	280.38	-631.76	-910.13	-1.347e+05	2.897e+04
		2.897e+04	-1.978e+05	-0.04	0.0	100.0	-6545.49	280.38	-631.76	-910.13	-1.978e+05	5.701e+04
25	3	-8995.08	2.942e+05	-1.57e-03	0.0	0.0	-1.001e+04	-43.75	938.96	82.22	2.003e+05	-8995.08
		-1.337e+04	2.003e+05	0.07	0.0	100.0	-9621.82	-43.75	938.96	82.22	2.942e+05	-1.337e+04
25	4	-8118.70	2.776e+05	-3.41e-03	0.0	0.0	-1.003e+04	-30.78	1235.56	-1190.24	1.540e+05	-8118.70
		-1.120e+04	1.540e+05	0.09	0.0	100.0	-9635.54	-30.78	1235.56	-1190.24	2.776e+05	-1.120e+04
25	5	-5996.77	1.657e+05	-1.02e-03	0.0	0.0	-5724.93	-29.50	547.41	59.99	1.110e+05	-5996.77
		-8947.19	1.110e+05	0.04	0.0	100.0	-5424.93	-29.50	547.41	59.99	1.657e+05	-8947.19
25	6	-5120.40	1.491e+05	-2.86e-03	0.0	0.0	-5738.66	-16.54	844.01	-1212.48	6.474e+04	-5120.40
		-6774.01	6.474e+04	0.06	0.0	100.0	-5438.66	-16.54	844.01	-1212.48	1.491e+05	-6774.01
25	22	-2.228e+05	2.562e+05	0.10	0.0	0.0	-5799.57	-1293.66	993.20	1.433e+04	1.569e+05	-2.228e+05
		-3.522e+05	1.569e+05	0.03	0.0	100.0	-5499.57	-1293.66	993.20	1.433e+04	2.562e+05	-3.522e+05
25	23	3.358e+05	9.399e+04	-0.11	0.0	0.0	-6853.10	1245.99	523.12	-1.557e+04	4.168e+04	2.112e+05
		2.112e+05	4.168e+04	0.08	0.0	100.0	-6553.10	1245.99	523.12	-1.557e+04	9.399e+04	3.358e+05
25	41	-8.199e+04	-1.299e+05	0.03	0.0	0.0	-4559.56	-498.01	-175.29	9832.12	-1.299e+05	-8.199e+04
		-1.318e+05	-1.474e+05	0.15	0.0	100.0	-4259.56	-498.01	-175.29	9832.12	-1.474e+05	-1.318e+05
25	44	1.154e+05	4.976e+05	-0.04	0.0	0.0	-8093.11	450.34	1691.60	-1.107e+04	3.284e+05	7.038e+04
		7.038e+04	3.284e+05	-0.04	0.0	100.0	-7793.11	450.34	1691.60	-1.107e+04	4.976e+05	1.154e+05
25	54	-1.004e+05	2.104e+05	0.04	0.0	0.0	-6096.81	-577.13	860.57	5897.00	1.244e+05	-1.004e+05
		-1.581e+05	1.244e+05	0.04	0.0	100.0	-5796.81	-577.13	860.57	5897.00	2.104e+05	-1.581e+05
25	55	1.417e+05	1.398e+05	-0.05	0.0	0.0	-6555.86	529.46	655.74	-7132.36	7.418e+04	8.876e+04
		8.876e+04	7.418e+04	0.07	0.0	100.0	-6255.86	529.46	655.74	-7132.36	1.398e+05	1.417e+05
25	73	-3.900e+04	3.458e+04	0.01	0.0	0.0	-5556.50	-230.45	351.43	3935.60	-567.63	-3.900e+04
		-6.205e+04	-567.63	0.09	0.0	100.0	-5256.50	-230.45	351.43	3935.60	3.458e+04	-6.205e+04
25	76	4.567e+04	3.156e+05	-0.02	0.0	0.0	-7096.17	182.77	1164.89	-5170.96	1.991e+05	2.739e+04
		2.739e+04	1.991e+05	0.02	0.0	100.0	-6796.17	182.77	1164.89	-5170.96	3.156e+05	4.567e+04
25	77	-6066.10	1.703e+05	-1.04e-03	0.0	0.0	-5873.46	-29.82	560.55	60.23	1.142e+05	-6066.10

		-9047.70	1.142e+05	0.04	0.0	100.0	-5573.46	-29.82	560.55	60.23	1.703e+05	-9047.70
25	78	-5598.70	1.614e+05	-2.02e-03	0.0	0.0	-5880.77	-22.90	718.74	-618.41	8.956e+04	-5598.70
		-7888.67	8.956e+04	0.05	0.0	100.0	-5580.77	-22.90	718.74	-618.41	1.614e+05	-7888.67
25	79	-6274.06	1.839e+05	-1.08e-03	0.0	0.0	-6319.02	-30.75	599.97	60.97	1.239e+05	-6274.06
		-9349.24	1.239e+05	0.04	0.0	100.0	-6019.02	-30.75	599.97	60.97	1.839e+05	-9349.24
25	80	-5806.66	1.751e+05	-2.06e-03	0.0	0.0	-6326.34	-23.84	758.16	-617.68	9.928e+04	-5806.66
		-8190.22	9.928e+04	0.06	0.0	100.0	-6026.34	-23.84	758.16	-617.68	1.751e+05	-8190.22
25	81	-6066.10	1.703e+05	-1.04e-03	0.0	0.0	-5873.46	-29.82	560.55	60.23	1.424e+05	-6066.10
		-9047.70	1.142e+05	0.04	0.0	100.0	-5573.46	-29.82	560.55	60.23	1.703e+05	-9047.70
25	82	-5481.85	1.592e+05	-2.26e-03	0.0	0.0	-5882.60	-21.17	758.28	-788.08	8.340e+04	-5481.85
		-7598.92	8.340e+04	0.05	0.0	100.0	-5582.60	-21.17	758.28	-788.08	1.592e+05	-7598.92
25	83	-6759.32	2.158e+05	-1.18e-03	0.0	0.0	-7358.66	-32.94	691.95	62.68	1.466e+05	-6759.32
		-1.005e+04	1.466e+05	0.05	0.0	100.0	-7058.66	-32.94	691.95	62.68	2.158e+05	-1.005e+04
25	84	-6175.07	2.047e+05	-2.40e-03	0.0	0.0	-7367.81	-24.29	889.68	-785.63	1.158e+05	-6175.07
		-8604.06	1.158e+05	0.07	0.0	100.0	-7067.81	-24.29	889.68	-785.63	2.047e+05	-8604.06
26	4	2.007e+04	2.976e+05	2.64e-04	0.0	0.0	-1.005e+04	73.22	952.72	-1428.32	2.024e+05	1.274e+04
		1.274e+04	2.024e+05	0.08	0.0	100.0	-9656.88	73.22	952.72	-1428.32	2.976e+05	2.007e+04
26	5	8585.39	1.656e+05	1.17e-03	0.0	0.0	-5725.20	27.73	546.72	-7.21	1.109e+05	5812.23
		5812.23	1.109e+05	0.04	0.0	100.0	-5425.20	27.73	546.72	-7.21	1.656e+05	8585.39
26	22	-1.874e+05	2.971e+05	0.11	0.0	0.0	-7734.36	-1515.30	1019.96	2986.21	1.951e+05	-1.874e+05
		-3.389e+05	1.951e+05	0.02	0.0	100.0	-7434.36	-1515.30	1019.96	2986.21	2.971e+05	-3.389e+05
26	23	3.645e+05	7.433e+04	-0.11	0.0	0.0	-4941.24	1607.16	194.24	-4512.20	5.491e+04	2.038e+05
		2.038e+05	5.491e+04	0.08	0.0	100.0	-4641.24	1607.16	194.24	-4512.20	7.433e+04	3.645e+05
26	34	-6.270e+04	5.295e+05	0.04	0.0	0.0	-8189.93	-525.59	1874.80	7052.39	3.420e+05	-6.270e+04
		-1.153e+05	3.420e+05	-0.05	0.0	100.0	-7889.93	-525.59	1874.80	7052.39	5.295e+05	-1.153e+05
26	35	1.409e+05	-9.197e+04	-0.04	0.0	0.0	-4485.66	617.46	-660.60	-8578.39	-9.197e+04	7.913e+04
		7.913e+04	-1.580e+05	0.14	0.0	100.0	-4185.66	617.46	-660.60	-8578.39	-1.580e+05	1.409e+05
26	54	-7.701e+04	2.343e+05	0.05	0.0	0.0	-6946.32	-634.34	787.00	870.64	1.556e+05	-7.701e+04
		-1.404e+05	1.556e+05	0.04	0.0	100.0	-6646.32	-634.34	787.00	870.64	2.343e+05	-1.404e+05
26	55	1.661e+05	1.372e+05	-0.05	0.0	0.0	-5729.28	726.21	427.20	-2396.64	9.447e+04	9.345e+04
		9.345e+04	9.447e+04	0.06	0.0	100.0	-5429.28	726.21	427.20	-2396.64	1.372e+05	1.661e+05
26	66	-2.268e+04	3.355e+05	0.02	0.0	0.0	-7144.83	-203.10	1159.47	2642.40	2.196e+05	-2.268e+04
		-4.299e+04	2.196e+05	8.11e-03	0.0	100.0	-6844.83	-203.10	1159.47	2642.40	3.355e+05	-4.299e+04
26	67	6.861e+04	3.594e+04	-0.02	0.0	0.0	-5530.77	294.96	54.73	-4168.39	3.047e+04	3.912e+04
		3.912e+04	3.047e+04	0.09	0.0	100.0	-5230.77	294.96	54.73	-4168.39	3.594e+04	6.861e+04
26	77	8685.52	1.701e+05	1.18e-03	0.0	0.0	-5873.72	28.04	559.86	-7.40	1.141e+05	5881.36
		5881.36	1.141e+05	0.04	0.0	100.0	-5573.72	28.04	559.86	-7.40	1.701e+05	8685.52
26	80	1.281e+04	1.857e+05	4.26e-04	0.0	0.0	-6337.80	45.93	607.10	-763.00	1.250e+05	1.281e+04
		8217.90	1.250e+05	0.05	0.0	100.0	-6037.80	45.93	607.10	-763.00	1.857e+05	1.281e+04
26	81	8685.52	1.701e+05	1.18e-03	0.0	0.0	-5873.72	28.04	559.86	-7.40	1.141e+05	5881.36
		5881.36	1.141e+05	0.04	0.0	100.0	-5573.72	28.04	559.86	-7.40	1.701e+05	8685.52
26	84	1.447e+04	2.181e+05	3.24e-04	0.0	0.0	-7382.07	52.34	701.03	-953.08	1.480e+05	9234.09
		9234.09	1.480e+05	0.06	0.0	100.0	-7082.07	52.34	701.03	-953.08	2.181e+05	1.447e+04
33	4	1.384e+04	1.290e+05	-9.45e-03	0.0	0.0	-8455.78	75.37	459.73	-1544.79	-5.488e+04	-1.631e+04
		-1.631e+04	-5.488e+04	-0.03	0.0	400.0	-6895.78	75.37	459.73	-1544.79	1.290e+05	1.384e+04
33	5	7682.52	4.488e+04	-1.61e-03	0.0	0.0	-3800.53	36.26	172.53	-61.72	-2.414e+04	-6820.35
		-6820.35	-2.414e+04	-0.02	0.0	400.0	-2600.53	36.26	172.53	-61.72	4.488e+04	7682.52
33	13	4.066e+05	1.202e+05	0.41	0.0	0.0	-3320.65	-1284.58	-318.52	-1.323e+04	1.202e+05	4.066e+05
		-1.073e+05	-7218.17	0.23	0.0	400.0	-2120.65	-1284.58	-318.52	-1.323e+04	-7218.17	-1.073e+05
33	16	1.259e+05	1.614e+05	-0.42	0.0	0.0	-7605.23	1383.81	869.09	1.156e+04	-1.862e+05	-4.276e+05
		-4.276e+05	-1.862e+05	-0.23	0.0	400.0	-6405.23	1383.81	869.09	1.156e+04	1.614e+05	1.259e+05
33	22	4.584e+05	1.609e+05	0.44	0.0	0.0	-4314.09	-1468.68	873.58	-2249.42	-1.885e+05	4.584e+05
		-1.290e+05	-1.885e+05	-0.20	0.0	400.0	-3114.09	-1468.68	873.58	-2249.42	1.609e+05	-1.290e+05
33	23	1.477e+05	1.225e+05	-0.46	0.0	0.0	-6611.79	1567.91	-323.01	580.45	1.225e+05	-4.795e+05
		-4.795e+05	-6748.47	0.19	0.0	400.0	-5411.79	1567.91	-323.01	580.45	-6748.47	1.477e+05
33	34	1.595e+05	3.283e+05	0.15	0.0	0.0	-6515.22	-503.25	2049.51	5040.60	-4.915e+05	1.595e+05
		-4.176e+04	-4.915e+05	-0.63	0.0	400.0	-5315.22	-503.25	2049.51	5040.60	3.283e+05	-4.176e+04
33	35	6.041e+04	4.255e+05	-0.16	0.0	0.0	-4410.66	602.47	-1498.94	-6709.57	4.255e+05	-1.806e+05
		-1.806e+05	-1.741e+05	0.63	0.0	400.0	-3210.66	602.47	-1498.94	-6709.57	1.741e+05	6.041e+04
33	45	1.712e+05	4.036e+04	0.17	0.0	0.0	-4529.48	-531.74	16.55	-6236.46	3.374e+04	1.712e+05
		-4.148e+04	3.374e+04	0.10	0.0	400.0	-3329.48	-531.74	16.55	-6236.46	4.036e+04	-4.148e+04
33	48	6.012e+04	1.138e+05	-0.19	0.0	0.0	-6396.40	630.96	534.02	4567.49	-9.977e+04	-1.923e+05
		-1.923e+05	-9.977e+04	-0.10	0.0	400.0	-5196.40	630.96	534.02	4567.49	1.138e+05	6.012e+04
33	54	1.938e+05	1.136e+05	0.19	0.0	0.0	-4962.35	-611.95	535.98	-1451.01	-1.008e+05	1.938e+05
		-5.097e+04	-1.008e+05	-0.09	0.0	400.0	-3762.35	-611.95	535.98	-1451.01	1.136e+05	-5.097e+04
33	55	6.961e+04	4.056e+04	-0.20	0.0	0.0	-5963.53	711.18	14.59	-217.96	3.473e+04	-2.149e+05
		-2.149e+05	3.473e+04	0.08	0.0	400.0	-4763.53	711.18	14.59	-217.96	4.056e+04	6.961e+04
33	64	2.039e+04	1.866e+05	-0.05	0.0	0.0	-6351.66	181.59	1047.78	3531.01	-2.325e+05	-5.225e+04
		-5.225e+04	-2.325e+05	-0.28	0.0	400.0	-5151.66	181.59	1047.78	3531.01	1.866e+05	2.039e+04
33	66	6.358e+04	1.866e+05	0.06	0.0	0.0	-5921.45	-191.28	1048.37	1725.46	-2.328e+05	6.358e+04
		-1.294e+04	-2.328e+05	-0.28	0.0	400.0	-4721.45	-191.28	1048.37	1725.46	1.866e+05	-1.294e+04
33	77	7762.02	4.592e+04	-1.63e-03	0.0	0.0	-3841.15	36.58	176.90	-63.31	-2.483e+04	-6871.47
		-6871.47	-2.483e+04	-0.02	0.0	400.0	-2641.15	36.58	176.90	-63.31	4.592e+04	7762.02
33	80	9322.04	7.710e+04	-5.38e-03	0.0	0.0	-5462.94	49.61	275.29	-834.48	-3.302e+04	-1.052e+04
		-1.052e+04	-3.302e+04	-0.02	0.0	400.0	-4262.94	49.61	275.29	-834.48	7.710e+04	9322.04
33	81	7762.02	4.592e+04	-1.63e-03	0.0	0.0	-3841.15	36.58	176.90	-63.31	-2.483e+04	-6871.47
		-6871.47	-2.483e+04	-0.02	0.0	400.0	-2641.15	36.58	176.90	-63.31	4.592e+04	7762.02

33	84	1.021e+04	9.144e+04	-6.48e-03	0.0	0.0	-6122.26	54.91	327.16	-1037.24	-3.943e+04	-1.175e+04
		-1.175e+04	-3.943e+04	-0.02	0.0	400.0	-4922.26	54.91	327.16	-1037.24	9.144e+04	1.021e+04
34	4	4.213e+04	1.007e+05	0.01	0.0	0.0	-6535.33	363.00	-518.02	-1363.48	1.007e+05	-1.031e+05
		-1.031e+05	-1.065e+05	0.08	0.0	400.0	-4975.33	363.00	-518.02	-1363.48	-1.065e+05	4.213e+04
34	5	2.019e+04	4.568e+04	6.25e-03	0.0	0.0	-4140.34	179.22	-251.80	-13.07	4.568e+04	-5.150e+04
		-5.150e+04	-5.504e+04	0.03	0.0	400.0	-2940.34	179.22	-251.80	-13.07	-5.504e+04	2.019e+04
34	13	3.264e+05	2.175e+05	0.48	0.0	0.0	-3347.29	-1067.87	-912.02	-9213.53	2.175e+05	3.264e+05
		-1.007e+05	-1.473e+05	0.28	0.0	400.0	-2147.29	-1067.87	-912.02	-9213.53	-1.473e+05	-1.007e+05
34	16	1.565e+05	1.115e+04	-0.48	0.0	0.0	-5721.17	1554.86	252.84	7749.93	-8.999e+04	-4.655e+05
		-4.655e+05	-8.999e+04	-0.19	0.0	400.0	-4521.17	1554.86	252.84	7749.93	1.115e+04	1.565e+05
34	22	2.821e+05	1.021e+04	0.43	0.0	0.0	-2368.93	-904.41	243.76	2581.23	-8.730e+04	2.821e+05
		-7.970e+04	-8.730e+04	-0.15	0.0	400.0	-1168.93	-904.41	243.76	2581.23	1.021e+04	-7.970e+04
34	23	1.354e+05	2.148e+05	-0.43	0.0	0.0	-6699.54	1391.39	-902.94	-4044.83	2.148e+05	-4.211e+05
		-4.211e+05	-1.464e+05	0.24	0.0	400.0	-5499.54	1391.39	-902.94	-4044.83	-1.464e+05	1.354e+05
34	29	7.423e+04	5.153e+05	0.17	0.0	0.0	-5568.71	-239.78	-2042.53	-9776.91	5.153e+05	7.423e+04
		-2.169e+04	-3.017e+05	0.68	0.0	400.0	-4368.71	-239.78	-2042.53	-9776.91	-3.017e+05	-2.169e+04
34	32	7.742e+04	1.655e+05	-0.17	0.0	0.0	-3499.75	726.77	1383.35	8313.31	-3.878e+05	-2.133e+05
		-2.133e+05	-3.878e+05	-0.59	0.0	400.0	-2299.75	726.77	1383.35	8313.31	1.655e+05	7.742e+04
34	45	1.030e+05	1.307e+05	0.21	0.0	0.0	-4017.05	-327.91	-583.37	-4427.54	1.307e+05	1.030e+05
		-2.817e+04	-1.026e+05	0.15	0.0	400.0	-2817.05	-327.91	-583.37	-4427.54	-1.026e+05	-2.817e+04
34	48	8.390e+04	-3234.39	-0.21	0.0	0.0	-5051.41	814.90	-75.81	2963.94	-3234.39	-2.421e+05
		-2.421e+05	-3.356e+04	-0.06	0.0	400.0	-3851.41	814.90	-75.81	2963.94	-3.356e+04	8.390e+04
34	54	8.367e+04	-2062.27	0.19	0.0	0.0	-3590.74	-256.68	-79.77	711.79	-2062.27	8.367e+04
		-1.900e+04	-3.397e+04	-0.04	0.0	400.0	-2390.74	-256.68	-79.77	711.79	-3.397e+04	-1.900e+04
34	55	7.474e+04	1.296e+05	-0.19	0.0	0.0	-5477.72	743.67	-579.42	-2175.39	1.296e+05	-2.227e+05
		-2.227e+05	-1.022e+05	0.13	0.0	400.0	-4277.72	743.67	-579.42	-2175.39	-1.022e+05	7.474e+04
34	61	6274.81	2.605e+05	0.07	0.0	0.0	-4984.98	32.92	-1075.97	-4673.02	2.605e+05	-6891.82
		-6891.82	-1.699e+05	0.32	0.0	400.0	-3784.98	32.92	-1075.97	-4673.02	-1.699e+05	6274.81
34	77	2.034e+04	4.644e+04	6.27e-03	0.0	0.0	-4182.62	180.18	-256.38	-12.96	4.644e+04	-5.174e+04
		-5.174e+04	-5.611e+04	0.03	0.0	400.0	-2982.62	180.18	-256.38	-12.96	-5.611e+04	2.034e+04
34	80	2.787e+04	6.376e+04	8.68e-03	0.0	0.0	-4534.23	243.49	-329.59	-731.80	6.376e+04	-6.953e+04
		-6.953e+04	-6.808e+04	0.05	0.0	400.0	-3334.23	243.49	-329.59	-731.80	-6.808e+04	2.787e+04
34	81	2.034e+04	4.644e+04	6.27e-03	0.0	0.0	-4182.62	180.18	-256.38	-12.96	4.644e+04	-5.174e+04
		-5.174e+04	-5.611e+04	0.03	0.0	400.0	-2982.62	180.18	-256.38	-12.96	-5.611e+04	2.034e+04
34	84	3.070e+04	7.284e+04	9.36e-03	0.0	0.0	-4886.38	265.38	-376.48	-910.79	7.284e+04	-7.545e+04
		-7.545e+04	-7.775e+04	0.05	0.0	400.0	-3686.38	265.38	-376.48	-910.79	-7.775e+04	3.070e+04
35	4	7.843e+04	1.023e+05	2.76e-03	0.0	0.0	-4767.33	363.00	-518.02	-1363.48	1.023e+05	4.213e+04
		-4.213e+04	-1.541e+05	-0.03	0.0	100.0	-4377.33	363.00	-518.02	-1363.48	-1.541e+05	-4.213e+04
35	5	3.811e+04	-5.184e+04	8.90e-04	0.0	0.0	-2780.34	179.22	-251.80	-13.07	-5.184e+04	2.019e+04
		2.019e+04	-7.702e+04	-0.02	0.0	100.0	-2480.34	179.22	-251.80	-13.07	-7.702e+04	3.811e+04
35	13	-1.007e+05	-1.441e+05	0.12	0.0	0.0	-1987.29	-843.02	-841.25	-9990.77	-1.441e+05	-1.007e+05
		-1.850e+05	-2.282e+05	0.02	0.0	100.0	-1687.29	-843.02	-841.25	-9990.77	-2.282e+05	-1.850e+05
35	16	2.895e+05	3.255e+04	-0.12	0.0	0.0	-4361.17	1330.00	182.07	8527.17	1.435e+04	1.565e+05
		1.565e+05	1.435e+04	-0.06	0.0	100.0	-4061.17	1330.00	182.07	8527.17	3.255e+04	2.895e+05
35	22	-7.970e+04	3.070e+04	0.11	0.0	0.0	-1008.93	-731.22	172.98	1958.74	1.341e+04	-7.970e+04
		-1.528e+05	1.341e+04	-0.05	0.0	100.0	-708.93	-731.22	172.98	1958.74	3.070e+04	-1.528e+05
35	23	2.573e+05	-1.432e+05	-0.11	0.0	0.0	-5339.54	1218.20	-832.17	-3422.34	-1.432e+05	1.354e+05
		1.354e+05	-2.264e+05	0.02	0.0	100.0	-5039.54	1218.20	-832.17	-3422.34	-2.264e+05	2.573e+05
35	29	-2.169e+04	-2.985e+05	0.04	0.0	0.0	-4208.71	-172.32	-1806.62	-1.001e+04	-2.985e+05	-2.169e+04
		-3.892e+04	-4.792e+05	0.09	0.0	100.0	-3908.71	-172.32	-1806.62	-1.001e+04	-4.792e+05	-3.892e+04
35	32	1.434e+05	2.835e+05	-0.04	0.0	0.0	-2139.75	659.31	1147.43	8546.48	1.687e+05	7.742e+04
		7.742e+04	1.687e+05	-0.13	0.0	100.0	-1839.75	659.31	1147.43	8546.48	2.835e+05	1.434e+05
35	45	-2.817e+04	-9.940e+04	0.05	0.0	0.0	-2657.05	-229.93	-552.53	-4766.20	-9.940e+04	-2.817e+04
		-5.116e+04	-1.547e+05	5.69e-03	0.0	100.0	-2357.05	-229.93	-552.53	-4766.20	-1.547e+05	-5.116e+04
35	48	1.556e+05	-3.036e+04	-0.05	0.0	0.0	-3691.41	716.92	-106.65	3302.60	-3.036e+04	8.390e+04
		8.390e+04	-4.102e+04	-0.03	0.0	100.0	-3391.41	716.92	-106.65	3302.60	-4.102e+04	1.556e+05
35	54	-1.900e+04	-3.077e+04	0.05	0.0	0.0	-2230.74	-181.22	-110.60	440.55	-3.077e+04	-1.900e+04
		-3.713e+04	-4.183e+04	-0.03	0.0	100.0	-1930.74	-181.22	-110.60	440.55	-4.183e+04	-3.713e+04
35	55	1.416e+05	-9.899e+04	-0.05	0.0	0.0	-4117.72	668.20	-548.58	-1904.15	-9.899e+04	7.474e+04
		7.474e+04	-1.538e+05	3.56e-03	0.0	100.0	-3817.72	668.20	-548.58	-1904.15	-1.538e+05	1.416e+05
35	61	1.251e+04	-1.667e+05	0.02	0.0	0.0	-3624.98	62.31	-973.17	-4774.62	-1.667e+05	6274.81
		6274.81	-2.640e+05	0.03	0.0	100.0	-3324.98	62.31	-973.17	-4774.62	-2.640e+05	1.251e+04
35	64	9.193e+04	6.831e+04	-0.02	0.0	0.0	-2723.48	424.68	313.99	3311.02	6.831e+04	4.946e+04
		4.946e+04	6.831e+04	-0.06	0.0	100.0	-2423.48	424.68	313.99	3311.02	9.193e+04	6.831e+04
35	77	3.836e+04	-5.291e+04	9.11e-04	0.0	0.0	-2822.62	180.18	-256.38	-12.96	-5.291e+04	2.034e+04
		2.034e+04	-7.855e+04	-0.02	0.0	100.0	-2522.62	180.18	-256.38	-12.96	-7.855e+04	3.836e+04
35	80	5.222e+04	-6.488e+04	1.64e-03	0.0	0.0	-3174.23	243.49	-329.59	-731.80	-6.488e+04	5.222e+04
		2.787e+04	-9.784e+04	-0.02	0.0	100.0	-2874.23	243.49	-329.59	-731.80	-9.784e+04	2.787e+04
35	81	3.836e+04	-5.291e+04	9.11e-04	0.0	0.0	-2822.62	180.18	-256.38	-12.96	-5.291e+04	2.034e+04
		2.034e+04	-7.855e+04	-0.02	0.0	100.0	-2522.62	180.18	-256.38	-12.96	-7.855e+04	3.836e+04
35	84	5.724e+04	-7.455e+04	1.95e-03	0.0	0.0	-3526.38	265.38	-376.48	-910.79	-7.455e+04	5.724e+04
		3.070e+04	-1.122e+05	-0.02	0.0	100.0	-3226.38	265.38	-376.48	-910.79	-1.122e+05	3.070e+04
36	3	1.664e+04	1.023e+05	2.28e-03	0.0	0.0	-3875.40	52.78	299.80	-107.81	7.229e+04	1.136e+04
		1.136e+04	7.229e+04	0.03	0.0	100.0	-3485.40	52.78	299.80	-107.81	1.023e+05	1.664e+04
36	4	2.138e+04	5.083e+04	5.69e-04	0.0	0.0	-3687.78	75.37	459.73	-1544.79	4855.41	1.384e+04
		1.384e+04	4855.41	0.05	0.0	100.0	-3297.78	75.37	459.73	-1544.79	5.083e+04	2.138e+04
36	5	1.131e+04	5.893e+04	1.53e-03	0.0	0.0	-2440.53	36.26	172.53	-61.72	4.168e+04	7682.52

		7682.52	4.168e+04	0.02	0.0	100.0	-2140.53	36.26	172.53	-61.72	5.893e+04	1.131e+04
36	6	1.605e+04	7488.00	-4.06e-04	0.0	0.0	-2252.91	58.85	332.46	-1498.70	-2.576e+04	1.016e+04
		1.016e+04	-2.576e+04	0.04	0.0	100.0	-1952.91	58.85	332.46	-1498.70	7488.00	1.605e+04
36	13	-1.073e+05	-7.442e+04	0.11	0.0	0.0	-360.65	-785.95	-123.31	220.44	-7.442e+04	1.073e+05
		-1.859e+05	-8.675e+04	0.07	0.0	100.0	-60.65	-785.95	-123.31	220.44	-8.675e+04	-1.859e+05
36	16	2.144e+05	1.616e+05	-0.11	0.0	0.0	-4645.23	885.17	673.88	-1889.40	9.422e+04	1.259e+05
		1.259e+05	9.422e+04	-0.01	0.0	100.0	-4345.23	885.17	673.88	-1889.40	1.616e+05	2.144e+05
36	22	-1.290e+05	1.616e+05	0.12	0.0	0.0	-1354.09	-869.40	678.37	1.369e+04	9.375e+04	-1.290e+05
		-2.160e+05	9.375e+04	-5.31e-03	0.0	100.0	-1054.09	-869.40	678.37	1.369e+04	1.616e+05	-2.160e+05
36	23	2.445e+05	-7.395e+04	-0.12	0.0	0.0	-3651.79	968.63	-127.80	-1.536e+04	-7.395e+04	1.477e+05
		1.477e+05	-8.673e+04	0.06	0.0	100.0	-3351.79	968.63	-127.80	-1.536e+04	-8.673e+04	2.445e+05
36	29	-1.608e+04	-2.414e+05	0.03	0.0	0.0	-463.32	-103.69	-846.89	-6817.57	-2.414e+05	-1.608e+04
		-2.644e+04	-3.261e+05	0.13	0.0	100.0	-163.32	-103.69	-846.89	-6817.57	-3.261e+05	-2.644e+04
36	32	5.501e+04	4.010e+05	-0.03	0.0	0.0	-4542.56	202.91	1397.46	5148.61	2.612e+05	3.472e+04
		3.472e+04	2.612e+05	-0.07	0.0	100.0	-4242.56	202.91	1397.46	5148.61	4.010e+05	5.501e+04
36	45	-4.148e+04	-1.668e+04	0.05	0.0	0.0	-1569.48	-314.47	101.61	-374.82	-2.684e+04	-4.148e+04
		-7.292e+04	-2.684e+04	0.05	0.0	100.0	-1269.48	-314.47	101.61	-374.82	-1.668e+04	-7.292e+04
36	48	1.015e+05	9.153e+04	-0.05	0.0	0.0	-3436.40	413.69	448.97	-1294.14	4.664e+04	6.012e+04
		6.012e+04	4.664e+04	0.01	0.0	100.0	-3136.40	413.69	448.97	-1294.14	9.153e+04	1.015e+05
36	54	-5.097e+04	9.153e+04	0.05	0.0	0.0	-2002.35	-350.83	450.92	5495.35	4.613e+04	-5.097e+04
		-8.605e+04	4.643e+04	0.02	0.0	100.0	-1702.35	-350.83	450.92	5495.35	9.153e+04	-8.605e+04
36	55	1.146e+05	-1.667e+04	-0.05	0.0	0.0	-3003.53	450.05	99.65	-7164.32	-2.664e+04	6.961e+04
		6.961e+04	-2.664e+04	0.04	0.0	100.0	-2703.53	450.05	99.65	-7164.32	-1.667e+04	1.146e+05
36	61	-1744.44	-9.962e+04	0.01	0.0	0.0	-1614.22	-17.19	-213.68	-3441.49	-9.962e+04	-1744.44
		-3463.03	-1.210e+05	0.07	0.0	100.0	-1314.22	-17.19	-213.68	-3441.49	-1.210e+05	-3463.03
36	64	3.203e+04	1.958e+05	-0.01	0.0	0.0	-3391.66	116.41	764.25	1772.52	1.194e+05	2.039e+04
		2.039e+04	1.194e+05	-0.02	0.0	100.0	-3091.66	116.41	764.25	1772.52	1.958e+05	3.203e+04
36	77	1.142e+04	6.041e+04	1.55e-03	0.0	0.0	-2481.15	36.58	176.90	-63.31	4.272e+04	7762.02
		7762.02	4.272e+04	0.02	0.0	100.0	-2181.15	36.58	176.90	-63.31	6.041e+04	1.142e+04
36	78	1.395e+04	3.298e+04	6.33e-04	0.0	0.0	-2381.09	48.63	262.19	-829.70	6758.45	9083.52
		9083.52	6758.45	0.03	0.0	100.0	-2081.09	48.63	262.19	-829.70	3.298e+04	1.395e+04
36	79	1.176e+04	6.486e+04	1.60e-03	0.0	0.0	-2603.01	37.56	189.99	-68.09	4.586e+04	8000.54
		8000.54	4.586e+04	0.02	0.0	100.0	-2303.01	37.56	189.99	-68.09	6.486e+04	1.176e+04
36	80	1.428e+04	3.743e+04	6.84e-04	0.0	0.0	-2502.94	49.61	275.29	-834.48	9899.02	9322.04
		9322.04	9899.02	0.03	0.0	100.0	-2202.94	49.61	275.29	-834.48	3.743e+04	1.428e+04
36	81	1.142e+04	6.041e+04	1.55e-03	0.0	0.0	-2481.15	36.58	176.90	-63.31	4.272e+04	7762.02
		7762.02	4.272e+04	0.02	0.0	100.0	-2181.15	36.58	176.90	-63.31	6.041e+04	1.142e+04
36	82	1.458e+04	2.612e+04	4.04e-04	0.0	0.0	-2356.07	51.64	283.52	-1021.30	-2232.96	9413.90
		9413.90	-2232.96	0.03	0.0	100.0	-2056.07	51.64	283.52	-1021.30	2.612e+04	1.458e+04
36	83	1.254e+04	7.525e+04	1.72e-03	0.0	0.0	-2887.34	39.85	220.54	-79.25	5.319e+04	8557.08
		8557.08	5.319e+04	0.02	0.0	100.0	-2587.34	39.85	220.54	-79.25	7.525e+04	1.254e+04
36	84	1.570e+04	4.095e+04	5.74e-04	0.0	0.0	-2762.26	54.91	327.16	-1037.24	8235.59	1.021e+04
		1.021e+04	8235.59	0.03	0.0	100.0	-2462.26	54.91	327.16	-1037.24	4.095e+04	1.570e+04
Pilas.		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-5.678e+05	-5.186e+05	-0.64	-1.17e-03		-3.682e+04	-2100.77	-2223.44	-2.197e+04		
		5.812e+05	5.295e+05	0.68	0.0		-60.65	2012.56	2285.44	2.069e+04		
Trave	Cmb	M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3	Pos.	N	V 2	V 3	T	M 2	M 3
		daN cm	daN cm	cm	daN	cm	daN	daN	daN	daN cm	daN cm	daN cm
1	2	5.161e+05	782.38	-0.11	-1.329e+04	0.0	-371.52	6573.10	-3.72	5973.19	782.38	-2.152e+05
		-2.480e+05	-890.22	8.54e-03	0.0	450.0	-371.52	-6719.27	-3.72	5973.19	-890.22	-2.480e+05
1	3	6.927e+05	70.23	-0.18	-1.776e+04	0.0	-490.57	8811.32	-0.56	1791.47	70.23	-2.907e+05
		-3.223e+05	-183.91	-9.29e-04	0.0	450.0	-490.57	-8951.41	-0.56	1791.47	-183.91	-3.223e+05
1	4	6.923e+05	772.45	-0.16	-1.776e+04	0.0	-483.10	8803.91	-3.74	6212.48	772.45	-2.894e+05
		-3.243e+05	-909.72	8.53e-03	0.0	450.0	-483.10	-8958.82	-3.74	6212.48	-909.72	-3.243e+05
1	6	3.761e+05	765.05	-0.07	-9697.63	0.0	-270.90	4791.40	-3.59	5586.77	765.05	-1.564e+05
		-1.823e+05	-849.98	8.75e-03	0.0	450.0	-270.90	-4906.23	-3.59	5586.77	-849.98	-1.823e+05
1	13	4.245e+05	5432.41	-0.08	-1.089e+04	0.0	-321.20	5856.83	-27.81	6736.71	5432.41	-2.828e+05
		-2.828e+05	-7081.19	-2.38	0.0	450.0	-321.20	-5032.89	-27.81	6736.71	-7081.19	-2.828e+05
1	17	4.237e+05	3365.61	-0.08	-1.089e+04	0.0	-321.36	5827.42	-18.64	2482.74	3365.61	-2.761e+05
		-2.761e+05	-5020.20	-3.03	0.0	450.0	-321.36	-5062.31	-18.64	2482.74	-5020.20	-2.761e+05
1	20	4.283e+05	3987.26	-0.11	-1.089e+04	0.0	-286.91	4952.07	14.41	4692.14	-2496.20	-7.761e+04
		-2.994e+05	-2496.20	3.04	0.0	450.0	-286.91	-5937.66	14.41	4692.14	3987.26	-2.994e+05
1	29	4.652e+05	6286.87	0.09	-1.089e+04	0.0	-315.39	6916.46	-29.09	1.098e+04	6286.87	-5.229e+05
		-5.229e+05	-6804.80	0.33	0.0	450.0	-315.39	-3973.27	-29.09	1.098e+04	-6804.80	-5.229e+05
1	34	4.771e+05	4058.68	-0.12	-1.089e+04	0.0	-300.92	3852.50	19.44	-5327.82	-4691.02	1.715e+05
		-5.450e+05	-4691.02	-2.30	0.0	450.0	-300.92	-7037.23	19.44	-5327.82	4058.68	-5.450e+05
1	45	4.229e+05	2612.35	-0.09	-1.089e+04	0.0	-311.57	5593.27	-13.31	4959.67	2612.35	-2.230e+05
		-2.230e+05	-3376.91	-1.04	0.0	450.0	-311.57	-5296.46	-13.31	4959.67	-3376.91	-2.230e+05
1	49	4.230e+05	1711.78	-0.09	-1.089e+04	0.0	-311.64	5580.45	-9.31	3106.09	1711.78	-2.201e+05
		-2.201e+05	-2478.87	-1.32	0.0	450.0	-311.64	-5309.27	-9.31	3106.09	-2478.87	-2.201e+05
1	52	4.236e+05	1445.94	-0.10	-1.089e+04	0.0	-296.63	5199.03	5.09	4068.79	-842.38	-1.336e+05
		-2.442e+05	-842.38	1.33	0.0	450.0	-296.63	-5690.69	5.09	4068.79	1445.94	-2.442e+05
1	61	4.298e+05	2984.66	-0.08	-1.089e+04	0.0	-309.04	6054.98	-13.87	6806.93	2984.66	-3.276e+05
		-3.276e+05	-3256.48	0.14	0.0	450.0	-309.04	-4834.75	-13.87	6806.93	-3256.48	-3.276e+05

1	66	4.352e+05	1477.06	-0.10	-1.089e+04	0.0	-302.74	4719.92	7.28	-297.20	-1798.73	-2.505e+04
		-3.513e+05	-1798.73	-1.00	0.0	450.0	-302.74	-6169.80	7.28	-297.20	1477.06	-3.513e+05
1	78	3.881e+05	436.69	-0.08	-9995.65	0.0	-281.82	4943.58	-2.11	3539.58	436.69	-1.620e+05
		-1.864e+05	-512.57	4.34e-03	0.0	450.0	-281.82	-5052.07	-2.11	3539.58	-512.57	-1.864e+05
1	79	4.235e+05	60.18	-0.10	-1.089e+04	0.0	-308.12	5393.69	-0.42	1229.57	60.18	-1.776e+05
		-2.006e+05	-129.37	-7.11e-04	0.0	450.0	-308.12	-5496.03	-0.42	1229.57	-129.37	-2.006e+05
1	80	4.233e+05	434.70	-0.09	-1.089e+04	0.0	-304.14	5389.74	-2.11	3587.44	434.70	-1.769e+05
		-2.017e+05	-516.47	4.33e-03	0.0	450.0	-304.14	-5499.98	-2.11	3587.44	-516.47	-2.017e+05
1	82	3.880e+05	530.32	-0.08	-9995.65	0.0	-280.83	4942.59	-2.53	4129.05	530.32	-1.618e+05
		-1.867e+05	-609.34	5.60e-03	0.0	450.0	-280.83	-5053.06	-2.53	4129.05	-609.34	-1.867e+05
1	83	5.057e+05	55.55	-0.13	-1.298e+04	0.0	-360.19	6434.74	-0.43	1341.24	55.55	-2.122e+05
		-2.362e+05	-138.47	-7.14e-04	0.0	450.0	-360.19	-6541.15	-0.43	1341.24	-138.47	-2.362e+05
1	84	5.055e+05	523.70	-0.11	-1.298e+04	0.0	-355.21	6429.80	-2.55	4288.58	523.70	-2.113e+05
		-2.375e+05	-622.34	5.59e-03	0.0	450.0	-355.21	-6546.09	-2.55	4288.58	-622.34	-2.375e+05
2	4	6.326e+04	332.95	0.09	-585.00	0.0	-155.26	-304.78	-2.60	2.016e+04	332.95	6.326e+04
		-8.606e+04	-317.89	4.78e-03	0.0	250.0	-155.26	-889.78	-2.60	2.016e+04	-317.89	-8.606e+04
2	5	2.204e+04	60.47	0.04	-450.00	0.0	-68.94	-22.36	0.38	1.106e+04	60.47	2.204e+04
		-3.980e+04	-33.47	-4.00e-04	0.0	250.0	-68.94	-472.36	0.38	1.106e+04	-33.47	-3.980e+04
2	8	5.602e+04	340.17	0.08	-450.00	0.0	-134.16	-293.15	-2.70	1.568e+04	340.17	5.602e+04
		-2.751e+04	-334.13	4.89e-03	0.0	250.0	-134.16	-743.15	-2.70	1.568e+04	-334.13	-2.751e+04
2	16	2.458e+05	3172.15	0.05	-450.00	0.0	-352.31	-1904.23	19.93	9750.74	-1811.22	2.458e+05
		-2.865e+05	-1811.22	1.33	0.0	250.0	-352.31	-2354.23	19.93	9750.74	3172.15	-2.865e+05
2	29	2.376e+04	1427.02	0.06	-450.00	0.0	200.56	455.29	-14.37	1.385e+04	1427.02	-3.381e+04
		-3.381e+04	-2165.82	0.18	0.0	250.0	200.56	5.29	-14.37	1.385e+04	-2165.82	2.376e+04
2	32	1.120e+05	1872.47	0.06	-450.00	0.0	-406.53	-771.73	11.91	9147.22	-1105.24	1.120e+05
		-1.372e+05	-1105.24	-0.18	0.0	250.0	-406.53	-1221.73	11.91	9147.22	1872.47	-1.372e+05
2	38	1.985e+04	3888.12	0.07	-450.00	0.0	-210.15	421.95	-32.94	1.153e+04	3888.12	-2.960e+04
		-2.960e+04	-4347.99	0.12	0.0	250.0	-210.15	-28.05	-32.94	1.153e+04	-4347.99	1.964e+04
2	39	1.078e+05	4054.64	0.05	-450.00	0.0	4.18	-738.38	30.48	1.146e+04	-3566.33	1.078e+05
		-1.331e+05	-3566.33	-0.11	0.0	250.0	4.18	-1188.38	30.48	1.146e+04	4054.64	-1.331e+05
2	48	1.292e+05	1299.44	0.05	-450.00	0.0	-211.62	-919.01	7.99	1.074e+04	-698.42	1.292e+05
		-1.568e+05	-698.42	0.58	0.0	250.0	-211.62	-1369.01	7.99	1.074e+04	1299.44	-1.568e+05
2	61	1.062e+04	712.58	0.06	-450.00	0.0	29.28	109.11	-6.96	1.252e+04	712.58	7321.15
		-2.165e+04	-1026.48	0.08	0.0	250.0	29.28	-340.89	-6.96	1.252e+04	-1026.48	-2.165e+04
2	64	7.085e+04	733.13	0.06	-450.00	0.0	-235.25	-425.54	4.50	1.047e+04	-390.80	7.085e+04
		-9.178e+04	-390.80	-0.07	0.0	250.0	-235.25	-875.54	4.50	1.047e+04	733.13	-9.178e+04
2	70	1.161e+04	1784.95	0.06	-450.00	0.0	-149.68	94.58	-15.05	1.151e+04	1784.95	9156.77
		-2.345e+04	-1977.31	0.05	0.0	250.0	-149.68	-355.42	-15.05	1.151e+04	-1977.31	-2.345e+04
2	77	2.231e+04	59.64	0.04	-450.00	0.0	-69.12	-24.50	0.37	1.156e+04	-32.24	2.231e+04
		-4.007e+04	-32.24	-3.98e-04	0.0	250.0	-69.12	-474.50	0.37	1.156e+04	59.64	-4.007e+04
2	80	3.909e+04	160.89	0.06	-450.00	0.0	-102.98	-158.22	-1.23	1.150e+04	160.89	3.909e+04
		-5.672e+04	-146.67	2.42e-03	0.0	250.0	-102.98	-608.22	-1.23	1.150e+04	-146.67	-5.672e+04
2	81	2.231e+04	59.64	0.04	-450.00	0.0	-69.12	-24.50	0.37	1.156e+04	-32.24	2.231e+04
		-4.007e+04	-32.24	-3.98e-04	0.0	250.0	-69.12	-474.50	0.37	1.156e+04	59.64	-4.007e+04
2	84	4.497e+04	216.85	0.06	-450.00	0.0	-112.60	-205.03	-1.68	1.464e+04	216.85	4.497e+04
		-6.254e+04	-203.42	3.13e-03	0.0	250.0	-112.60	-655.03	-1.68	1.464e+04	-203.42	-6.254e+04
5	1	6458.07	154.52	8.11e-03	-585.00	0.0	-3.15	285.32	1.20	-2.033e+04	-146.17	-1.093e+04
		-1.272e+04	-146.17	-6.61e-04	0.0	250.0	-3.15	-299.68	1.20	-2.033e+04	154.52	-1.272e+04
5	3	6496.85	170.00	0.01	-585.00	0.0	-0.67	273.60	1.35	-2.831e+04	-166.61	-9431.32
		-1.416e+04	-166.61	-6.93e-04	0.0	250.0	-0.67	-311.40	1.35	-2.831e+04	170.00	-1.416e+04
5	6	4766.79	402.45	2.62e-03	-450.00	0.0	5.55	225.71	-3.18	-1.494e+04	402.45	-9384.61
		-9384.61	-393.51	4.86e-03	0.0	250.0	5.55	-224.29	-3.18	-1.494e+04	-393.51	-9206.81
5	8	4795.86	382.01	4.89e-03	-450.00	0.0	8.04	213.99	-3.04	-2.292e+04	382.01	-7890.35
		-1.064e+04	-378.03	4.83e-03	0.0	250.0	8.04	-236.01	-3.04	-2.292e+04	-378.03	-1.064e+04
5	22	2.141e+05	4105.02	0.03	-450.00	0.0	151.04	1929.91	21.84	-1.697e+04	-1354.88	-2.122e+05
		-2.122e+05	-1354.88	-2.35	0.0	250.0	151.04	1479.91	21.84	-1.697e+04	4105.02	-2.122e+05
5	23	1.949e+05	1670.57	-0.02	-450.00	0.0	-146.32	-1489.27	-24.31	-1.693e+04	1670.57	1.949e+05
		-2.336e+05	-4407.27	2.35	0.0	250.0	-146.32	-1939.27	-24.31	-1.693e+04	-4407.27	-2.336e+05
5	25	2.129e+05	4763.66	0.03	-450.00	0.0	30.43	1920.96	27.29	-1.695e+04	-2059.19	-2.111e+05
		-2.111e+05	-2059.19	-2.33	0.0	250.0	30.43	1470.96	27.29	-1.695e+04	4763.66	-2.111e+05
5	28	1.939e+05	2374.88	-0.02	-450.00	0.0	-25.71	-1480.32	-29.76	-1.695e+04	2374.88	1.939e+05
		-2.324e+05	-5065.92	2.33	0.0	250.0	-25.71	-1930.32	-29.76	-1.695e+04	-5065.92	-2.324e+05
5	34	6.827e+04	2135.18	0.01	-450.00	0.0	272.31	816.53	12.65	-1.753e+04	-1026.19	-7.961e+04
		-7.961e+04	-1026.19	-1.28	0.0	250.0	272.31	366.53	12.65	-1.753e+04	2135.18	-7.961e+04
5	35	6.239e+04	1341.87	-6.08e-03	-450.00	0.0	-267.60	-375.89	-15.12	-1.638e+04	1341.87	6.239e+04
		-8.783e+04	-2437.44	1.28	0.0	250.0	-267.60	-825.89	-15.12	-1.638e+04	-2437.44	-8.783e+04
5	54	8.775e+04	1703.40	0.02	-450.00	0.0	67.14	965.24	8.82	-1.696e+04	-501.30	-9.731e+04
		-9.731e+04	-501.30	-1.02	0.0	250.0	67.14	515.24	8.82	-1.696e+04	1703.40	-9.731e+04
5	55	8.009e+04	816.98	-8.61e-03	-450.00	0.0	-62.43	-524.60	-11.29	-1.694e+04	816.98	8.009e+04
		-1.073e+05	-2005.66	1.03	0.0	250.0	-62.43	-974.60	-11.29	-1.694e+04	-2005.66	-1.073e+05
5	57	8.723e+04	1990.39	0.02	-450.00	0.0	14.59	961.34	11.19	-1.695e+04	-808.18	-9.686e+04
		-9.686e+04	-808.18	-1.01	0.0	250.0	14.59	511.34	11.19	-1.695e+04	1990.39	-9.686e+04
5	60	7.963e+04	1123.87	-8.68e-03	-450.00	0.0	-9.87	-520.70	-13.67	-1.695e+04	1123.87	7.963e+04
		-1.068e+05	-2292.65	1.02	0.0	250.0	-9.87	-970.70	-13.67	-1.695e+04	-2292.65	-1.068e+05
5	66	2.423e+04	845.08	7.71e-03	-450.00	0.0	119.98	480.11	4.81	-1.720e+04	-358.07	-3.955e+04
		-3.955e+04	-358.07	-0.56	0.0	250.0	119.98	30.11	4.81	-1.720e+04	845.08	-3.955e+04
5	67	2.233e+04	673.76	4.24e-03	-450.00	0.0	-115.27	-39.47	-7.28	-1.670e+04	673.76	2.233e+04

		-4.379e+04	-1147.34	0.56	0.0	250.0	-115.27	-489.47	-7.28-1.670e+04	-1147.34-4.379e+04
5	77	4966.25	118.07	6.12e-03	-450.00	0.0	-2.55	220.08	0.92-1.523e+04	-111.39 -8480.92
		-9711.58	-111.39	-5.07e-04	0.0	250.0	-2.55	-229.92	0.92-1.523e+04	118.07 -9711.58
5	78	4860.91	161.93	4.34e-03	-450.00	0.0	1.86	222.67	-1.26-1.536e+04	161.93 -8909.76
		-9493.43	-154.23	2.35e-03	0.0	250.0	1.86	-227.33	-1.26-1.536e+04	-154.23 -9493.43
5	79	4972.07	121.16	6.58e-03	-450.00	0.0	-2.05	217.73	0.95-1.683e+04	-115.48 -8182.07
		-9998.80	-115.48	-5.13e-04	0.0	250.0	-2.05	-232.27	0.95-1.683e+04	121.16 -9998.80
5	80	4866.72	157.84	4.79e-03	-450.00	0.0	2.36	220.32	-1.24-1.695e+04	157.84 -8610.91
		-9780.65	-151.13	2.35e-03	0.0	250.0	2.36	-229.68	-1.24-1.695e+04	-151.13 -9780.65
5	81	4966.25	118.07	6.12e-03	-450.00	0.0	-2.55	220.08	0.92-1.523e+04	-111.39 -8480.92
		-9711.58	-111.39	-5.07e-04	0.0	250.0	-2.55	-229.92	0.92-1.523e+04	118.07 -9711.58
5	82	4834.57	230.26	3.89e-03	-450.00	0.0	2.96	223.31	-1.81-1.539e+04	230.26 -9016.97
		-9438.89	-222.30	3.07e-03	0.0	250.0	2.96	-226.69	-1.81-1.539e+04	-222.30 -9438.89
5	83	4985.64	128.39	7.64e-03	-450.00	0.0	-0.90	212.26	1.01-2.055e+04	-125.02 -7484.74
		-1.067e+04	-125.02	-5.28e-04	0.0	250.0	-0.90	-237.74	1.01-2.055e+04	128.39-1.067e+04
5	84	4853.95	216.64	5.40e-03	-450.00	0.0	4.62	215.50	-1.71-2.071e+04	216.64 -8020.80
		-1.040e+04	-211.98	3.05e-03	0.0	250.0	4.62	-234.50	-1.71-2.071e+04	-211.98-1.040e+04
7	2	2.359e+05	1059.72	-0.07	-5279.13	0.0	-308.22	2885.46	-4.94 7383.74	1059.72-1.187e+05
		-1.187e+05	-1164.85	8.70e-03	0.0	450.0	-308.22	-2393.66	-4.94 7383.74	-1164.85 -8009.65
7	4	2.876e+05	1045.59	-0.09	-6478.77	0.0	-357.07	3487.54	-5.00 7630.06	1045.59-1.340e+05
		-1.340e+05	-1204.24	8.70e-03	0.0	450.0	-357.07	-2991.23	-5.00 7630.06	-1204.24-2.228e+04
7	5	1.654e+05	73.54	-0.05	-3919.37	0.0	-152.73	2007.98	-0.56 1692.40	73.54-6.596e+04
		-6.596e+04	-178.75	-6.41e-04	0.0	450.0	-152.73	-1911.39	-0.56 1692.40	-178.75-4.423e+04
7	22	1.955e+05	9587.49	-0.05	-4239.28	0.0	-204.41	1705.27	28.04 -1921.75	-3031.05 4.185e+04
		-1.446e+05	-3031.05	-4.22	0.0	450.0	-204.41	-2534.00	28.04 -1921.75	9587.49-1.446e+05
7	23	2.091e+05	4201.30	-0.06	-4239.28	0.0	-236.10	2826.75	-33.68 1.093e+04	4201.30-2.145e+05
		-2.145e+05	-1.095e+04	4.23	0.0	450.0	-236.10	-1412.52	-33.68 1.093e+04	-1.095e+04 1.037e+05
7	29	3.476e+05	7844.26	0.04	-4239.28	0.0	-364.60	3914.00	-30.76 1.516e+04	7844.26-4.653e+05
		-4.653e+05	-5995.53	0.33	0.0	450.0	-364.60	-325.27	-30.76 1.516e+04	-5995.53 3.422e+05
7	33	3.391e+05	6060.75	0.04	-4239.28	0.0	-364.74	3870.86	-22.22 1.265e+04	6060.75-4.556e+05
		-4.556e+05	-3938.59	-0.02	0.0	450.0	-364.74	-368.41	-22.22 1.265e+04	-3938.59 3.325e+05
7	35	3.479e+05	7147.07	-0.04	-4239.28	0.0	-349.61	3914.50	-36.00 1.484e+04	7147.07-4.652e+05
		-4.652e+05	-9054.71	2.31	0.0	450.0	-349.61	-324.77	-36.00 1.484e+04	-9054.71 3.425e+05
7	36	3.052e+05	2571.88	-0.08	-4239.28	0.0	-75.77	661.16	16.58 -3647.86	-4890.50 2.829e+05
		-3.734e+05	-4890.50	0.03	0.0	450.0	-75.77	-3578.11	16.58 -3647.86	2571.88-3.734e+05
7	54	1.859e+05	3791.95	-0.06	-4239.28	0.0	-213.35	2021.68	10.63 1703.29	-990.55-3.048e+04
		-7.456e+04	-990.55	-1.84	0.0	450.0	-213.35	-2217.59	10.63 1703.29	3791.95-7.456e+04
7	55	1.914e+05	2160.80	-0.06	-4239.28	0.0	-227.16	2510.34	-16.27 7301.79	2160.80-1.422e+05
		-1.422e+05	-5158.66	1.85	0.0	450.0	-227.16	-1728.93	-16.27 7301.79	-5158.66 3.362e+04
7	61	2.209e+05	3748.14	-0.05	-4239.28	0.0	-283.15	2984.09	-14.99 9146.47	3748.14-2.515e+05
		-2.515e+05	-2998.02	0.14	0.0	450.0	-283.15	-1255.18	-14.99 9146.47	-2998.02 1.375e+05
7	65	2.193e+05	2971.01	-0.05	-4239.28	0.0	-283.21	2965.29	-11.27 8053.90	2971.01-2.472e+05
		-2.472e+05	-2101.76	-7.18e-03	0.0	450.0	-283.21	-1273.98	-11.27 8053.90	-2101.76 1.333e+05
7	67	2.210e+05	3444.36	-0.05	-4239.28	0.0	-276.62	2984.31	-17.28 9008.31	3444.36-2.514e+05
		-2.514e+05	-4331.00	1.01	0.0	450.0	-276.62	-1254.97	-17.28 9008.31	-4331.00 1.377e+05
7	68	2.048e+05	735.05	-0.07	-4239.28	0.0	-157.30	1566.73	5.64 951.17	-1800.76 7.455e+04
		-1.743e+05	-1800.76	0.02	0.0	450.0	-157.30	-2672.54	5.64 951.17	735.05-1.743e+05
7	77	1.689e+05	72.60	-0.05	-3999.35	0.0	-155.99	2048.12	-0.56 1708.82	72.60-6.698e+04
		-6.698e+04	-181.38	-6.41e-04	0.0	450.0	-155.99	-1951.23	-0.56 1708.82	-181.38-4.518e+04
7	78	1.751e+05	587.95	-0.05	-3999.35	0.0	-210.49	2145.60	-2.81 4453.28	587.95-8.329e+04
		-8.329e+04	-675.48	4.44e-03	0.0	450.0	-210.49	-1853.75	-2.81 4453.28	-675.48-1.762e+04
7	80	1.854e+05	585.13	-0.06	-4239.28	0.0	-220.26	2266.01	-2.82 4502.54	585.13-8.634e+04
		-8.634e+04	-683.35	4.44e-03	0.0	450.0	-220.26	-1973.26	-2.82 4502.54	-683.35-2.047e+04
7	81	1.689e+05	72.60	-0.05	-3999.35	0.0	-155.99	2048.12	-0.56 1708.82	72.60-6.698e+04
		-6.698e+04	-181.38	-6.41e-04	0.0	450.0	-155.99	-1951.23	-0.56 1708.82	-181.38-4.518e+04
7	82	1.772e+05	716.79	-0.05	-3999.35	0.0	-224.11	2169.97	-3.37 5139.39	716.79-8.736e+04
		-8.736e+04	-799.00	5.71e-03	0.0	450.0	-224.11	-1829.38	-3.37 5139.39	-799.00-1.073e+04
7	84	2.117e+05	707.37	-0.06	-4799.11	0.0	-256.68	2571.35	-3.41 5303.60	707.37-9.755e+04
		-9.755e+04	-825.26	5.71e-03	0.0	450.0	-256.68	-2227.76	-3.41 5303.60	-825.26-2.024e+04
9	2	6.690e+04	452.54	-0.09	-585.00	0.0	-165.40	915.84	-3.16-1.541e+04	452.54-8.893e+04
		-8.893e+04	-337.38	4.45e-03	0.0	250.0	-165.40	330.84	-3.16-1.541e+04	-337.38 6.690e+04
9	4	7.094e+04	439.85	-0.10	-585.00	0.0	-168.16	947.91	-3.03-2.301e+04	439.85-9.291e+04
		-9.291e+04	-318.70	4.41e-03	0.0	250.0	-168.16	362.91	-3.03-2.301e+04	-318.70 7.094e+04
9	5	2.169e+04	43.38	-0.04	-450.00	0.0	-68.77	469.60	-0.24-1.110e+04	43.38-3.946e+04
		-3.946e+04	-17.63	-4.97e-04	0.0	250.0	-68.77	19.60	-0.24-1.110e+04	-17.63 2.169e+04
9	13	2.426e+05	4615.76	-0.05	-450.00	0.0	-205.32	2345.73	-46.16-1.205e+04	4615.76-2.875e+05
		-2.875e+05	-6923.55	-1.32	0.0	250.0	-205.32	1895.73	-46.16-1.205e+04	-6923.55 2.426e+05
9	16	1.670e+05	6559.77	-0.09	-450.00	0.0	-14.30	-1068.95	42.68-1.400e+04	-4111.14 1.670e+05
		-1.565e+05	-4111.14	1.33	0.0	250.0	-14.30	-1518.95	42.68-1.400e+04	6559.77-1.565e+05
9	18	2.434e+05	3660.34	-0.05	-450.00	0.0	-353.07	2351.27	-38.05-1.120e+04	3660.34-2.882e+05
		-2.882e+05	-5852.44	-1.34	0.0	250.0	-353.07	1901.27	-38.05-1.120e+04	-5852.44 2.434e+05
9	38	1.133e+05	1794.10	-0.06	-450.00	0.0	-457.13	1235.24	-15.17-1.041e+04	1794.10-1.393e+05
		-1.393e+05	-1999.21	0.11	0.0	250.0	-457.13	785.24	-15.17-1.041e+04	-1999.21 1.133e+05
9	39	1.924e+04	1635.43	-0.07	-450.00	0.0	237.50	41.54	11.70-1.564e+04	-1289.48 1.877e+04
		-2.709e+04	-1289.48	-0.11	0.0	250.0	237.50	-408.46	11.70-1.564e+04	1635.43-2.709e+04
9	45	1.300e+05	2153.59	-0.05	-450.00	0.0	-151.43	1382.33	-21.09-1.260e+04	2153.59-1.593e+05
		-1.593e+05	-3119.43	-0.58	0.0	250.0	-151.43	932.33	-21.09-1.260e+04	-3119.43 1.300e+05

9	48	3.877e+04	2755.65	-0.07	-450.00	0.0	-68.20	-105.55	17.62	-1.345e+04	-1648.97	3.877e+04
		-4.387e+04	-1648.97	0.58	0.0	250.0	-68.20	-555.55	17.62	-1.345e+04	2755.65	-4.387e+04
9	50	1.304e+05	1737.29	-0.05	-450.00	0.0	-215.81	1384.74	-17.56	-1.223e+04	1737.29	-1.596e+05
		-1.596e+05	-2652.72	-0.58	0.0	250.0	-215.81	934.74	-17.56	-1.223e+04	-2652.72	1.304e+05
9	70	7.366e+04	924.11	-0.06	-450.00	0.0	-261.15	898.45	-7.59	-1.189e+04	924.11	-9.470e+04
		-9.470e+04	-973.75	0.05	0.0	250.0	-261.15	448.45	-7.59	-1.189e+04	-973.75	7.366e+04
9	71	1.389e+04	609.97	-0.06	-450.00	0.0	41.52	378.32	4.12	-1.416e+04	-419.49	-2.583e+04
		-2.583e+04	-419.49	-0.05	0.0	250.0	41.52	-71.68	4.12	-1.416e+04	609.97	1.389e+04
9	77	2.196e+04	42.54	-0.04	-450.00	0.0	-68.95	471.73	-0.24	-1.160e+04	42.54	-3.972e+04
		-3.972e+04	-16.39	-4.99e-04	0.0	250.0	-68.95	21.73	-0.24	-1.160e+04	-16.39	2.196e+04
9	78	4.227e+04	254.85	-0.06	-450.00	0.0	-109.26	631.97	-1.76	-1.151e+04	254.85	-5.947e+04
		-5.947e+04	-185.63	2.22e-03	0.0	250.0	-109.26	181.97	-1.76	-1.151e+04	-185.63	4.227e+04
9	80	4.308e+04	252.31	-0.06	-450.00	0.0	-109.81	638.39	-1.74	-1.303e+04	252.31	-6.027e+04
		-6.027e+04	-181.89	2.21e-03	0.0	250.0	-109.81	188.39	-1.74	-1.303e+04	-181.89	4.308e+04
9	81	2.196e+04	42.54	-0.04	-450.00	0.0	-68.95	471.73	-0.24	-1.160e+04	42.54	-3.972e+04
		-3.972e+04	-16.39	-4.99e-04	0.0	250.0	-68.95	21.73	-0.24	-1.160e+04	-16.39	2.196e+04
9	82	4.735e+04	307.93	-0.07	-450.00	0.0	-119.34	672.03	-2.14	-1.148e+04	307.93	-6.441e+04
		-6.441e+04	-227.93	2.90e-03	0.0	250.0	-119.34	222.03	-2.14	-1.148e+04	-227.93	4.735e+04
9	84	5.004e+04	299.47	-0.07	-450.00	0.0	-121.18	693.41	-2.06	-1.655e+04	299.47	-6.706e+04
		-6.706e+04	-215.49	2.88e-03	0.0	250.0	-121.18	243.41	-2.06	-1.655e+04	-215.49	5.004e+04
10	2	1.579e+04	373.37	-9.46e-03	-795.60	0.0	-331.85	375.90	-1.88	1699.69	373.37	-1.430e+04
		-2.175e+04	-265.63	6.38e-03	0.0	340.0	-331.85	-419.70	-1.88	1699.69	-265.63	2.175e+04
10	4	1.617e+04	379.27	-9.92e-03	-795.60	0.0	-339.23	375.88	-1.88	1699.38	379.27	-1.392e+04
		-2.137e+04	-259.54	6.37e-03	0.0	340.0	-339.23	-419.72	-1.88	1699.38	-259.54	2.137e+04
10	5	1.063e+04	27.42	-7.74e-03	-612.00	0.0	-145.96	305.21	0.04	-21.51	14.38	-1.525e+04
		-1.551e+04	14.38	-6.11e-04	0.0	340.0	-145.96	-306.79	0.04	-21.51	27.42	1.551e+04
10	6	1.260e+04	368.16	7.27e-03	-612.00	0.0	-286.92	284.33	-1.89	1706.19	368.16	-9783.09
		-1.715e+04	-274.79	6.56e-03	0.0	340.0	-286.92	-327.67	-1.89	1706.19	-274.79	1.715e+04
10	16	1.395e+05	2665.34	-0.03	-612.00	0.0	-428.15	-606.25	20.36	-1736.55	-4256.48	1.395e+05
		-1.706e+05	-4256.48	1.81	0.0	340.0	-428.15	-1218.25	20.36	-1736.55	2665.34	-1.706e+05
10	18	1.378e+05	4910.07	-0.03	-612.00	0.0	-278.81	1192.48	-22.80	3169.87	4910.07	-1.636e+05
		-1.636e+05	-2843.43	-1.83	0.0	340.0	-278.81	580.48	-22.80	3169.87	-2843.43	1.636e+05
10	19	1.391e+05	2579.17	-0.03	-612.00	0.0	-167.41	-604.33	20.82	-1370.18	-4500.80	1.391e+05
		-1.704e+05	-4500.80	1.83	0.0	340.0	-167.41	-1216.33	20.82	-1370.18	2579.17	-1.704e+05
10	37	2.439e+04	741.35	-9.34e-03	-612.00	0.0	244.17	517.77	4.19	1357.22	741.35	-4.999e+04
		-4.999e+04	-682.08	-1.39	0.0	340.0	244.17	-94.23	4.19	1357.22	-682.08	4.999e+04
10	40	2.689e+04	1091.35	-0.01	-612.00	0.0	-690.39	70.38	-6.17	442.47	1091.35	-2.552e+04
		-5.459e+04	-1005.61	1.39	0.0	340.0	-690.39	-541.62	-6.17	442.47	-1005.61	5.459e+04
10	48	5.389e+04	1086.81	-0.02	-612.00	0.0	-312.45	-98.22	8.31	-248.91	1086.81	-8.354e+04
		-8.354e+04	-1739.21	0.79	0.0	340.0	-312.45	-710.22	8.31	-248.91	-1739.21	8.354e+04
10	50	5.086e+04	2254.93	-0.01	-612.00	0.0	-247.38	685.54	-10.50	1888.96	2254.93	-7.818e+04
		-7.818e+04	-1313.52	-0.79	0.0	340.0	-247.38	73.54	-10.50	1888.96	-1313.52	7.818e+04
10	51	5.372e+04	1049.26	-0.02	-612.00	0.0	-198.84	-97.39	8.51	-89.27	1049.26	-8.343e+04
		-8.343e+04	-1845.66	0.80	0.0	340.0	-198.84	-709.39	8.51	-89.27	-1845.66	8.343e+04
10	69	1.388e+04	248.47	-7.58e-03	-612.00	0.0	-19.50	391.55	1.27	1099.14	248.47	-2.868e+04
		-2.868e+04	-181.73	-0.60	0.0	340.0	-19.50	-220.45	1.27	1099.14	-181.73	2.868e+04
10	72	1.495e+04	591.00	-8.70e-03	-612.00	0.0	-426.72	196.60	-3.25	700.56	591.00	-4219.01
		-3.298e+04	-512.73	0.61	0.0	340.0	-426.72	-415.40	-3.25	700.56	-512.73	3.298e+04
10	77	1.065e+04	27.83	-7.77e-03	-612.00	0.0	-146.45	305.21	0.04	-21.53	14.78	-1.522e+04
		-1.549e+04	14.78	-6.11e-04	0.0	340.0	-146.45	-306.79	0.04	-21.53	27.83	1.549e+04
10	78	1.168e+04	203.45	-7.36e-03	-612.00	0.0	-221.63	294.08	-0.99	899.91	203.45	-1.231e+04
		-1.636e+04	-133.35	3.21e-03	0.0	340.0	-221.63	-317.92	-0.99	899.91	-133.35	1.636e+04
10	80	1.175e+04	204.63	-7.45e-03	-612.00	0.0	-223.11	294.07	-0.99	899.85	204.63	-1.223e+04
		-1.629e+04	-132.13	3.21e-03	0.0	340.0	-223.11	-317.93	-0.99	899.85	-132.13	1.629e+04
10	81	1.065e+04	27.83	-7.77e-03	-612.00	0.0	-146.45	305.21	0.04	-21.53	14.78	-1.522e+04
		-1.549e+04	14.78	-6.11e-04	0.0	340.0	-146.45	-306.79	0.04	-21.53	27.83	1.549e+04
10	82	1.193e+04	250.62	-7.30e-03	-612.00	0.0	-240.43	291.29	-1.25	1130.27	250.62	-1.158e+04
		-1.658e+04	-173.64	4.17e-03	0.0	340.0	-240.43	-320.71	-1.25	1130.27	-173.64	1.658e+04
10	84	1.218e+04	254.55	-7.61e-03	-612.00	0.0	-245.35	291.28	-1.25	1130.06	254.55	-1.133e+04
		-1.633e+04	-169.58	4.16e-03	0.0	340.0	-245.35	-320.72	-1.25	1130.06	-169.58	1.633e+04
12	1	6441.93	128.27	-7.99e-03	-585.00	0.0	-3.71	302.24	-1.01	2.028e+04	128.27	-1.306e+04
		-1.306e+04	-123.51	-5.06e-04	0.0	250.0	-3.71	-282.76	-1.01	2.028e+04	-123.51	1.306e+04
12	4	6924.92	640.68	-0.02	-585.00	0.0	12.28	318.58	-4.99	3.294e+04	640.68	-1.474e+04
		-1.474e+04	-606.33	4.75e-03	0.0	250.0	12.28	-266.42	-4.99	3.294e+04	-606.33	8218.57
12	8	5444.05	609.30	-0.01	-450.00	0.0	12.84	247.44	-4.74	2.732e+04	609.30	-1.155e+04
		-1.155e+04	-575.45	4.86e-03	0.0	250.0	12.84	-202.56	-4.74	2.732e+04	-575.45	5944.08
12	22	1.916e+05	4697.05	0.03	-450.00	0.0	-157.79	1939.93	27.63	1.971e+04	-2211.57	-2.371e+05
		-2.371e+05	-2211.57	-2.35	0.0	250.0	-157.79	1489.93	27.63	1.971e+04	4697.05	1.916e+05
12	23	2.163e+05	2943.83	-0.04	-450.00	0.0	167.24	-1466.57	-33.32	1.886e+04	2943.83	-2.163e+05
		-2.066e+05	-5386.58	2.35	0.0	250.0	167.24	-1916.57	-33.32	1.886e+04	-5386.58	2.066e+05
12	25	1.922e+05	3605.11	0.03	-450.00	0.0	-306.00	1944.57	19.25	1.868e+04	-1206.81	-2.377e+05
		-2.377e+05	-1206.81	-2.33	0.0	250.0	-306.00	1494.57	19.25	1.868e+04	3605.11	1.922e+05
12	28	2.170e+05	1939.07	-0.04	-450.00	0.0	315.45	-1471.20	-24.93	1.988e+04	1939.07	-2.170e+05
		-2.071e+05	-4294.63	2.33	0.0	250.0	315.45	-1921.20	-24.93	1.988e+04	-4294.63	2.071e+05
12	41	6.159e+04	915.22	-7.58e-03	-450.00	0.0	-365.04	825.88	5.78	1.678e+04	915.22	-8.863e+04
		-8.863e+04	-530.01	-1.21	0.0	250.0	-365.04	375.88	5.78	1.678e+04	-530.01	8.863e+04
12	44	6.786e+04	1262.27	-0.02	-450.00	0.0	374.48	-352.51	-11.47	2.178e+04	1262.27	-6.786e+04

		-7.652e+04	-1604.74	1.22	0.0	250.0	374.48	-802.51	-11.47	2.178e+04	-1604.74	-7.652e+04
12	55	8.840e+04	1489.31	-0.02	-450.00	0.0	75.54	-505.47	-16.12	1.910e+04	1489.31	8.840e+04
		-9.422e+04	-2541.63	1.03	0.0	250.0	75.54	-955.47	-16.12	1.910e+04	-2541.63	-9.422e+04
12	57	7.952e+04	1376.31	0.01	-450.00	0.0	-130.67	980.86	6.78	1.902e+04	1376.31	7.952e+04
		-1.094e+05	-319.25	-1.01	0.0	250.0	-130.67	530.86	6.78	1.902e+04	-319.25	-1.094e+05
12	60	8.867e+04	1051.51	-0.02	-450.00	0.0	140.12	-507.49	-12.47	1.955e+04	1051.51	8.867e+04
		-9.445e+04	-2065.84	1.02	0.0	250.0	140.12	-957.49	-12.47	1.955e+04	-2065.84	-9.445e+04
12	67	2.279e+04	2215.94	-0.01	-450.00	0.0	-49.43	-13.31	-18.78	1.889e+04	2215.94	2.279e+04
		-3.679e+04	-2479.74	0.56	0.0	250.0	-49.43	-463.31	-18.78	1.889e+04	-2479.74	-3.679e+04
12	73	2.262e+04	204.25	-8.19e-03	-450.00	0.0	-156.39	493.42	0.91	1.819e+04	204.25	2.262e+04
		-4.448e+04	-24.34	-0.53	0.0	250.0	-156.39	43.42	0.91	1.819e+04	-24.34	-4.448e+04
12	76	2.371e+04	756.60	-0.01	-450.00	0.0	165.84	-20.05	-6.60	2.037e+04	756.60	2.371e+04
		-3.755e+04	-893.77	0.53	0.0	250.0	165.84	-470.05	-6.60	2.037e+04	-893.77	-3.755e+04
12	77	4953.85	97.89	-6.03e-03	-450.00	0.0	-2.98	231.89	-0.77	1.519e+04	97.89	-9969.81
		-9969.81	-93.98	-3.90e-04	0.0	250.0	-2.98	-218.11	-0.77	1.519e+04	-93.98	-8247.49
12	80	5136.85	366.13	-9.46e-03	-450.00	0.0	4.72	236.68	-2.84	1.928e+04	366.13	-1.039e+04
		-1.039e+04	-344.76	2.41e-03	0.0	250.0	4.72	-213.32	-2.84	1.928e+04	-344.76	-7465.11
12	81	4953.85	97.89	-6.03e-03	-450.00	0.0	-2.98	231.89	-0.77	1.519e+04	97.89	-9969.81
		-9969.81	-93.98	-3.90e-04	0.0	250.0	-2.98	-218.11	-0.77	1.519e+04	-93.98	-8247.49
12	84	5252.74	439.50	-0.01	-450.00	0.0	7.68	242.78	-3.42	2.363e+04	439.50	-1.109e+04
		-1.109e+04	-415.85	3.11e-03	0.0	250.0	7.68	-207.22	-3.42	2.363e+04	-415.85	-6645.30
13	1	1.294e+04	8.43	-9.24e-03	-795.60	0.0	-13.48	398.42	0.05	-28.35	8.43	-2.098e+04
		-2.098e+04	-8.79	-7.95e-04	0.0	340.0	-13.48	-397.18	0.05	-28.35	-8.79	-2.076e+04
13	2	1.320e+04	201.18	-8.61e-03	-795.60	0.0	5.23	375.97	-1.09	-1904.01	201.18	-1.690e+04
		-2.432e+04	-168.96	6.24e-03	0.0	340.0	5.23	-419.63	-1.09	-1904.01	-168.96	-2.432e+04
13	4	1.343e+04	197.21	-8.89e-03	-795.60	0.0	7.60	375.98	-1.09	-1904.40	197.21	-1.667e+04
		-2.409e+04	-172.73	6.23e-03	0.0	340.0	7.60	-419.62	-1.09	-1904.40	-172.73	-2.409e+04
13	6	1.025e+04	203.68	-6.50e-03	-612.00	0.0	8.06	284.03	-1.10	-1897.42	203.68	-1.209e+04
		-1.956e+04	-170.47	6.42e-03	0.0	340.0	8.06	-327.97	-1.10	-1897.42	-170.47	-1.956e+04
13	8	1.048e+04	199.70	-6.78e-03	-612.00	0.0	10.43	284.04	-1.10	-1897.81	199.70	-1.186e+04
		-1.932e+04	-174.23	6.41e-03	0.0	340.0	10.43	-327.96	-1.10	-1897.81	-174.23	-1.932e+04
13	23	1.233e+05	3280.33	-0.03	-612.00	0.0	-121.29	-520.70	-13.97	-1870.49	3280.33	1.233e+05
		-1.578e+05	-1471.08	3.20	0.0	340.0	-121.29	-1132.70	-13.97	-1870.49	-1471.08	-1.578e+05
13	25	1.219e+05	1222.33	0.03	-612.00	0.0	-139.58	1108.32	13.38	153.79	1222.33	1.219e+05
		-1.509e+05	-3327.28	-3.17	0.0	340.0	-139.58	496.32	13.38	153.79	-3327.28	-1.509e+05
13	28	1.230e+05	3536.55	-0.03	-612.00	0.0	139.50	-519.31	-14.52	-2198.22	3536.55	1.230e+05
		-1.576e+05	-1399.70	3.17	0.0	340.0	139.50	-1131.31	-14.52	-2198.22	-1399.70	-1.576e+05
13	37	2.850e+04	1382.56	9.46e-03	-612.00	0.0	-446.69	560.34	11.31	-604.74	1382.56	2.781e+04
		-5.867e+04	-2463.82	-1.39	0.0	340.0	-446.69	-51.66	11.31	-604.74	-2463.82	-5.867e+04
13	40	3.103e+04	2673.09	-0.01	-612.00	0.0	446.61	28.67	-12.45	-1439.69	2673.09	3.082e+04
		-6.348e+04	-1559.93	1.39	0.0	340.0	446.61	-583.33	-12.45	-1439.69	-1559.93	-6.348e+04
13	55	4.587e+04	1488.38	-0.02	-612.00	0.0	-52.87	-60.70	-6.41	-1391.83	1488.38	4.587e+04
		-7.881e+04	-691.03	1.40	0.0	340.0	-52.87	-672.70	-6.41	-1391.83	-691.03	-7.881e+04
13	57	4.306e+04	482.56	0.01	-612.00	0.0	-60.84	649.11	5.51	-509.80	482.56	4.306e+04
		-7.360e+04	-1390.75	-1.38	0.0	340.0	-60.84	37.11	5.51	-509.80	-1390.75	-7.360e+04
13	60	4.575e+04	1600.02	-0.02	-612.00	0.0	60.76	-60.10	-6.65	-1534.63	1600.02	4.575e+04
		-7.873e+04	-659.93	1.38	0.0	340.0	60.76	-672.10	-6.65	-1534.63	-659.93	-7.873e+04
13	69	1.332e+04	552.38	-5.62e-03	-612.00	0.0	-194.66	410.34	4.61	-840.31	552.38	-3.342e+04
		-3.342e+04	-1014.52	-0.60	0.0	340.0	-194.66	-201.66	4.61	-840.31	-1014.52	-3.342e+04
13	72	1.439e+04	1223.78	-9.38e-03	-612.00	0.0	194.58	178.68	-5.75	-1204.12	1223.78	5568.95
		-3.772e+04	-729.75	0.61	0.0	340.0	194.58	-433.32	-5.75	-1204.12	-729.75	-3.772e+04
13	77	9944.07	6.68	-7.10e-03	-612.00	0.0	-10.49	306.48	0.04	-21.78	6.68	-1.615e+04
		-1.615e+04	-6.56	-6.11e-04	0.0	340.0	-10.49	-305.52	0.04	-21.78	-6.56	-1.598e+04
13	78	1.008e+04	105.43	-6.72e-03	-612.00	0.0	-0.51	294.51	-0.57	-1022.14	105.43	-1.397e+04
		-1.788e+04	-87.93	3.14e-03	0.0	340.0	-0.51	-317.49	-0.57	-1022.14	-87.93	-1.788e+04
13	80	1.013e+04	104.63	-6.78e-03	-612.00	0.0	-0.04	294.51	-0.57	-1022.21	104.63	-1.393e+04
		-1.783e+04	-88.69	3.14e-03	0.0	340.0	-0.04	-317.49	-0.57	-1022.21	-88.69	-1.783e+04
13	81	9944.07	6.68	-7.10e-03	-612.00	0.0	-10.49	306.48	0.04	-21.78	6.68	-1.615e+04
		-1.615e+04	-6.56	-6.11e-04	0.0	340.0	-10.49	-305.52	0.04	-21.78	-6.56	-1.598e+04
13	82	1.012e+04	133.42	-6.64e-03	-612.00	0.0	1.98	291.51	-0.72	-1272.22	133.42	-1.343e+04
		-1.836e+04	-111.59	4.08e-03	0.0	340.0	1.98	-320.49	-0.72	-1272.22	-111.59	-1.836e+04
13	84	1.027e+04	130.77	-6.83e-03	-612.00	0.0	3.56	291.52	-0.72	-1272.49	130.77	-1.328e+04
		-1.820e+04	-114.10	4.07e-03	0.0	340.0	3.56	-320.48	-0.72	-1272.49	-114.10	-1.820e+04
16	3	6.927e+05	213.12	-0.18	-1.776e+04	0.0	-490.55	8810.34	0.69	-1746.92	213.12	-2.905e+05
		-3.225e+05	-99.16	-1.19e-03	0.0	450.0	-490.55	-8952.39	0.69	-1746.92	-99.16	-3.225e+05
16	4	7.119e+05	533.73	-0.16	-1.776e+04	0.0	-651.24	8769.59	-2.05	-2745.45	533.73	-2.622e+05
		-3.125e+05	-386.70	8.04e-03	0.0	450.0	-651.24	-8993.14	-2.05	-2745.45	-386.70	-3.125e+05
16	5	3.765e+05	146.33	-0.09	-9697.63	0.0	-278.36	4798.07	0.51	-1132.15	146.33	-1.804e+05
		-1.804e+05	-84.79	-8.99e-04	0.0	450.0	-278.36	-4899.56	0.51	-1132.15	-84.79	-1.804e+05
16	6	3.957e+05	548.10	-0.08	-9697.63	0.0	-439.05	4757.31	-2.23	-2130.68	548.10	-1.292e+05
		-1.704e+05	-453.50	8.34e-03	0.0	450.0	-439.05	-4940.32	-2.23	-2130.68	-453.50	-1.704e+05
16	8	5.719e+05	557.69	-0.13	-1.417e+04	0.0	-550.62	6988.11	-2.20	-2369.23	557.69	-2.035e+05
		-2.466e+05	-433.65	8.32e-03	0.0	450.0	-550.62	-7179.87	-2.20	-2369.23	-433.65	-2.466e+05
16	18	4.394e+05	1.094e+04	-0.11	-1.089e+04	0.0	-385.12	4929.31	-27.96	822.56	1.094e+04	-6.212e+04
		-2.941e+05	-1638.87	-2.42	0.0	450.0	-385.12	-5960.42	-27.96	822.56	-1638.87	-2.941e+05
16	19	4.338e+05	1302.30	-0.08	-1.089e+04	0.0	-402.51	5813.11	26.07	-4279.19	1302.30	-9.667e+04
		-2.624e+05	-1.043e+04	2.43	0.0	450.0	-402.51	-5076.61	26.07	-4279.19	-1.043e+04	-2.624e+05

16	42	4.819e+05	5586.56	-0.12	-1.089e+04	0.0	-381.89	3944.14	-18.66	3074.99	5586.56	1.609e+05
		-5.144e+05	-2811.80	-0.14	0.0	450.0	-381.89	-6945.58	-18.66	3074.99	-2811.80	-5.144e+05
16	43	4.695e+05	2475.23	0.09	-1.089e+04	0.0	-405.74	6798.28	16.78	-6531.62	-5075.94	-4.854e+05
		-4.854e+05	-5075.94	0.15	0.0	450.0	-405.74	-4091.44	16.78	-6531.62	2475.23	1.236e+05
16	44	4.835e+05	3766.47	-0.12	-1.089e+04	0.0	-385.64	3916.95	-22.58	6278.24	3766.47	1.670e+05
		-5.205e+05	-6394.36	2.19	0.0	450.0	-385.64	-6972.78	-22.58	6278.24	-6394.36	-5.205e+05
16	50	4.340e+05	4911.61	-0.10	-1.089e+04	0.0	-390.02	5178.66	-12.71	-616.82	4911.61	-1.186e+05
		-2.384e+05	-809.06	-1.05	0.0	450.0	-390.02	-5711.06	-12.71	-616.82	-809.06	-2.384e+05
16	51	4.334e+05	472.49	-0.09	-1.089e+04	0.0	-397.60	5563.76	10.83	-2839.81	-4401.00	-2.059e+05
		-2.059e+05	-4401.00	1.06	0.0	450.0	-397.60	-5325.96	10.83	-2839.81	472.49	-1.524e+05
16	74	4.446e+05	2578.29	-0.11	-1.089e+04	0.0	-388.62	4749.39	-8.66	364.63	2578.29	-2.143e+04
		-3.344e+05	-1320.14	-0.06	0.0	450.0	-388.62	-6140.33	-8.66	364.63	-1320.14	-3.344e+05
16	75	4.387e+05	983.57	-0.09	-1.089e+04	0.0	-399.01	5993.03	6.78	-3821.25	-2067.67	-3.031e+05
		-3.031e+05	-2067.67	0.07	0.0	450.0	-399.01	-4896.70	6.78	-3821.25	983.57	-5.640e+04
16	76	4.450e+05	1785.22	-0.11	-1.089e+04	0.0	-390.25	4737.55	-10.37	1760.38	1785.22	-1.877e+04
		-3.371e+05	-2881.17	0.96	0.0	450.0	-390.25	-6152.18	-10.37	1760.38	-2881.17	-3.371e+05
16	77	3.882e+05	147.65	-0.10	-9995.65	0.0	-285.80	4946.79	0.52	-1148.05	-84.15	-1.625e+05
		-1.855e+05	-84.15	-9.01e-04	0.0	450.0	-285.80	-5048.87	0.52	-1148.05	147.65	-1.855e+05
16	78	3.985e+05	253.39	-0.09	-9995.65	0.0	-371.50	4925.05	-0.95	-1680.60	253.39	-1.474e+05
		-1.801e+05	-172.26	4.03e-03	0.0	450.0	-371.50	-5070.60	-0.95	-1680.60	-172.26	-1.801e+05
16	79	4.235e+05	151.62	-0.10	-1.089e+04	0.0	-308.12	5392.95	0.52	-1195.76	-82.23	-1.774e+05
		-2.007e+05	-82.23	-9.05e-04	0.0	450.0	-308.12	-5496.78	0.52	-1195.76	151.62	-2.007e+05
16	80	4.337e+05	255.31	-0.10	-1.089e+04	0.0	-393.81	5371.21	-0.94	-1728.31	255.31	-1.623e+05
		-1.954e+05	-168.28	4.02e-03	0.0	450.0	-393.81	-5518.51	-0.94	-1728.31	-168.28	-1.954e+05
16	81	3.882e+05	147.65	-0.10	-9995.65	0.0	-285.80	4946.79	0.52	-1148.05	-84.15	-1.625e+05
		-1.855e+05	-84.15	-9.01e-04	0.0	450.0	-285.80	-5048.87	0.52	-1148.05	147.65	-1.855e+05
16	82	4.010e+05	337.77	-0.09	-9995.65	0.0	-392.92	4919.62	-1.31	-1813.74	337.77	-1.436e+05
		-1.788e+05	-252.23	5.26e-03	0.0	450.0	-392.92	-5076.04	-1.31	-1813.74	-252.23	-1.788e+05
16	83	5.057e+05	160.88	-0.13	-1.298e+04	0.0	-360.18	6433.99	0.53	-1307.08	-77.76	-2.120e+05
		-2.363e+05	-77.76	-9.14e-04	0.0	450.0	-360.18	-6541.90	0.53	-1307.08	160.88	-2.363e+05
16	84	5.185e+05	344.17	-0.12	-1.298e+04	0.0	-467.31	6406.82	-1.30	-1972.77	344.17	-1.931e+05
		-2.296e+05	-239.00	5.24e-03	0.0	450.0	-467.31	-6569.07	-1.30	-1972.77	-239.00	-2.296e+05
22	3	2.758e+05	324.55	-0.08	-6478.77	0.0	-254.78	3302.22	0.99	-2476.14	-121.44	-1.028e+05
		-1.028e+05	-121.44	-1.29e-03	0.0	450.0	-254.78	-3176.55	0.99	-2476.14	324.55	-7.452e+04
22	4	2.770e+05	742.26	-0.08	-6478.77	0.0	-249.64	3347.88	-2.55	-3938.42	742.26	-1.119e+05
		-1.119e+05	-404.79	7.86e-03	0.0	450.0	-249.64	-3130.89	-2.55	-3938.42	-404.79	-6.304e+04
22	6	1.666e+05	758.22	-0.05	-3919.37	0.0	-147.50	2051.70	-2.83	-3148.41	758.22	-7.458e+04
		-7.458e+04	-515.14	8.18e-03	0.0	450.0	-147.50	-1867.67	-2.83	-3148.41	-515.14	-3.318e+04
22	8	2.193e+05	771.82	-0.06	-5119.01	0.0	-196.35	2653.75	-2.77	-3394.80	771.82	-8.986e+04
		-8.986e+04	-475.17	8.15e-03	0.0	450.0	-196.35	-2465.26	-2.77	-3394.80	-475.17	-4.745e+04
22	18	1.939e+05	6421.42	-0.07	-4239.28	0.0	-123.61	1622.68	-31.17	2029.51	6421.42	5.416e+04
		-1.695e+05	-7606.98	-2.42	0.0	450.0	-123.61	-2616.60	-31.17	2029.51	-7606.98	-1.695e+05
22	19	2.004e+05	7278.73	-0.04	-4239.28	0.0	-202.26	2759.21	28.85	-7092.95	-5703.84	-2.030e+05
		-2.030e+05	-5703.84	2.43	0.0	450.0	-202.26	-1480.07	28.85	-7092.95	7278.73	8.479e+04
22	38	3.181e+05	7499.90	-0.08	-4239.28	0.0	-146.70	513.13	-33.58	6402.97	7499.90	3.042e+05
		-4.187e+05	-7613.17	0.21	0.0	450.0	-146.70	-3726.14	-33.58	6402.97	-7613.17	-4.187e+05
22	39	3.408e+05	7284.92	0.04	-4239.28	0.0	-179.17	3868.75	31.26	-1.147e+04	-6782.32	-4.530e+05
		-4.530e+05	-6782.32	-0.20	0.0	450.0	-179.17	-370.52	31.26	-1.147e+04	7284.92	3.341e+05
22	41	3.411e+05	5511.36	-0.04	-4239.28	0.0	-156.61	3869.10	25.26	-1.292e+04	-5857.10	-4.529e+05
		-4.529e+05	-5857.10	-2.18	0.0	450.0	-156.61	-370.18	25.26	-1.292e+04	5511.36	3.344e+05
22	50	1.816e+05	3000.45	-0.06	-4239.28	0.0	-145.80	1943.33	-14.24	-544.26	3000.45	-1.840e+04
		-9.773e+04	-3407.19	-1.05	0.0	450.0	-145.80	-2295.94	-14.24	-544.26	-3407.19	-9.773e+04
22	51	1.850e+05	3078.94	-0.05	-4239.28	0.0	-180.07	2438.55	11.92	-4519.18	-2282.87	-1.305e+05
		-1.305e+05	-2282.87	1.06	0.0	450.0	-180.07	-1800.72	11.92	-4519.18	3078.94	1.305e+04
22	70	2.028e+05	3470.38	-0.06	-4239.28	0.0	-155.86	1459.87	-15.29	1361.38	3470.38	9.054e+04
		-2.064e+05	-3409.89	0.09	0.0	450.0	-155.86	-2779.40	-15.29	1361.38	-3409.89	-2.064e+05
22	71	2.138e+05	3081.64	-0.04	-4239.28	0.0	-170.01	2922.01	12.97	-6424.83	-2752.80	-2.394e+05
		-2.394e+05	-2752.80	-0.08	0.0	450.0	-170.01	-1317.26	12.97	-6424.83	3081.64	1.217e+05
22	73	2.139e+05	2308.85	-0.05	-4239.28	0.0	-160.18	2922.16	10.35	-7060.31	-2349.65	-2.393e+05
		-2.393e+05	-2349.65	-0.95	0.0	450.0	-160.18	-1317.11	10.35	-7060.31	2308.85	1.218e+05
22	78	1.695e+05	356.07	-0.05	-3999.35	0.0	-153.16	2070.53	-1.17	-2482.44	356.07	-7.137e+04
		-7.137e+04	-172.12	3.91e-03	0.0	450.0	-153.16	-1928.81	-1.17	-2482.44	-172.12	-3.948e+04
22	79	1.794e+05	224.85	-0.05	-4239.28	0.0	-165.68	2166.59	0.73	-1751.84	-101.85	-6.959e+04
		-6.959e+04	-101.85	-9.74e-04	0.0	450.0	-165.68	-2072.68	0.73	-1751.84	224.85	-4.846e+04
22	80	1.801e+05	358.79	-0.05	-4239.28	0.0	-162.93	2190.94	-1.16	-2531.72	358.79	-7.443e+04
		-7.443e+04	-164.13	3.90e-03	0.0	450.0	-162.93	-2048.33	-1.16	-2531.72	-164.13	-4.234e+04
22	82	1.697e+05	471.23	-0.05	-3999.35	0.0	-152.48	2076.62	-1.65	-2677.41	471.23	-7.258e+04
		-7.258e+04	-269.36	5.13e-03	0.0	450.0	-152.48	-1922.73	-1.65	-2677.41	-269.36	-3.795e+04
22	83	2.040e+05	243.51	-0.06	-4799.11	0.0	-188.47	2447.55	0.75	-1866.82	-95.50	-7.672e+04
		-7.672e+04	-95.50	-9.86e-04	0.0	450.0	-188.47	-2351.56	0.75	-1866.82	243.51	-5.513e+04
22	84	2.048e+05	480.29	-0.06	-4799.11	0.0	-185.04	2477.99	-1.61	-2841.67	480.29	-8.277e+04
		-8.277e+04	-242.72	5.11e-03	0.0	450.0	-185.04	-2321.12	-1.61	-2841.67	-242.72	-4.747e+04
27	2	0.0	0.0	-0.02	-208.00	0.0	0.0	3208.00	0.0	0.0	0.0	-1.242e+05
		-1.242e+05	0.0	5.08e-04	0.0	40.0	0.0	3000.00	0.0	0.0	0.0	0.0
27	3	0.0	0.0	-0.01	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	-9.59e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
27	4	0.0	0.0	-0.02	-208.00	0.0	0.0	3208.00	0.0	0.0	0.0	-1.242e+05

		-1.242e+05	0.0	5.05e-04	0.0	40.0	0.0	3000.00	0.0	0.0	0.0	0.0
27	5	0.0	0.0	-6.73e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-7.11e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
27	14	0.0	0.0	-0.03	-160.00	0.0	101.22	1760.00	408.05	0.0	-1.632e+04	-6.720e+04
		-6.720e+04	-1.632e+04	-0.28	0.0	40.0	101.22	1600.00	408.05	0.0	0.0	0.0
27	15	0.0	1.632e+04	6.03e-03	-160.00	0.0	-101.22	1760.00	-408.05	0.0	1.632e+04	-6.720e+04
		-6.720e+04	0.0	0.28	0.0	40.0	-101.22	1600.00	-408.05	0.0	0.0	0.0
27	36	0.0	3921.72	-0.06	-160.00	0.0	337.39	1760.00	-98.04	0.0	3921.72	-6.720e+04
		-6.720e+04	0.0	4.28e-03	0.0	40.0	337.39	1600.00	-98.04	0.0	0.0	0.0
27	37	0.0	0.0	0.04	-160.00	0.0	-397.47	1760.00	122.41	0.0	-4896.60	-6.720e+04
		-6.720e+04	-4896.60	-0.16	0.0	40.0	-397.47	1600.00	122.41	0.0	0.0	0.0
27	38	0.0	0.0	-0.07	-160.00	0.0	397.47	1760.00	122.41	0.0	-4896.60	-6.720e+04
		-6.720e+04	-4896.60	0.02	0.0	40.0	397.47	1600.00	122.41	0.0	0.0	0.0
27	42	0.0	0.0	-0.07	-160.00	0.0	397.47	1760.00	98.04	0.0	-3921.72	-6.720e+04
		-6.720e+04	-3921.72	-0.01	0.0	40.0	397.47	1600.00	98.04	0.0	0.0	0.0
27	49	0.0	0.0	-4.73e-03	-160.00	0.0	-51.96	1760.00	177.80	0.0	-7111.97	-6.720e+04
		-6.720e+04	-7111.97	-0.12	0.0	40.0	-51.96	1600.00	177.80	0.0	0.0	0.0
27	52	0.0	7111.97	-0.02	-160.00	0.0	51.96	1760.00	-177.80	0.0	7111.97	-6.720e+04
		-6.720e+04	0.0	0.12	0.0	40.0	51.96	1600.00	-177.80	0.0	0.0	0.0
27	66	0.0	0.0	-0.03	-160.00	0.0	147.01	1760.00	42.72	0.0	-1708.81	-6.720e+04
		-6.720e+04	-1708.81	-0.09	0.0	40.0	147.01	1600.00	42.72	0.0	0.0	0.0
27	69	0.0	0.0	0.01	-160.00	0.0	-173.19	1760.00	53.34	0.0	-2133.59	-6.720e+04
		-6.720e+04	-2133.59	-0.07	0.0	40.0	-173.19	1600.00	53.34	0.0	0.0	0.0
27	70	0.0	0.0	-0.03	-160.00	0.0	173.19	1760.00	53.34	0.0	-2133.59	-6.720e+04
		-6.720e+04	-2133.59	7.07e-03	0.0	40.0	173.19	1600.00	53.34	0.0	0.0	0.0
27	76	0.0	1708.81	-0.03	-160.00	0.0	173.19	1760.00	-42.72	0.0	1708.81	-6.720e+04
		-6.720e+04	0.0	0.08	0.0	40.0	173.19	1600.00	-42.72	0.0	0.0	0.0
27	77	0.0	0.0	-7.00e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-7.13e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
27	78	0.0	0.0	-0.01	-160.00	0.0	0.0	1760.00	0.0	0.0	0.0	-6.720e+04
		-6.720e+04	0.0	2.49e-04	0.0	40.0	0.0	1600.00	0.0	0.0	0.0	0.0
27	79	0.0	0.0	-7.83e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-7.19e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
27	80	0.0	0.0	-0.01	-160.00	0.0	0.0	1760.00	0.0	0.0	0.0	-6.720e+04
		-6.720e+04	0.0	2.49e-04	0.0	40.0	0.0	1600.00	0.0	0.0	0.0	0.0
27	81	0.0	0.0	-7.00e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-7.13e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
27	82	0.0	0.0	-0.01	-160.00	0.0	0.0	2160.00	0.0	0.0	0.0	-8.320e+04
		-8.320e+04	0.0	3.29e-04	0.0	40.0	0.0	2000.00	0.0	0.0	0.0	0.0
27	83	0.0	0.0	-9.75e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-7.33e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
27	84	0.0	0.0	-0.01	-160.00	0.0	0.0	2160.00	0.0	0.0	0.0	-8.320e+04
		-8.320e+04	0.0	3.27e-04	0.0	40.0	0.0	2000.00	0.0	0.0	0.0	0.0
28	1	0.0	0.0	-9.39e-03	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	-8.24e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	3	0.0	0.0	-0.01	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	-8.17e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	4	0.0	0.0	-9.63e-03	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	5.30e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	5	0.0	0.0	-6.74e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-6.35e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	8	0.0	0.0	-6.98e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	5.49e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	17	0.0	0.0	0.01	-160.00	0.0	-4.87	160.00	19.43	0.0	-777.24	-3200.00
		-3200.00	-777.24	-0.27	0.0	40.0	-4.87	0.0	19.43	0.0	0.0	0.0
28	20	0.0	777.24	-0.02	-160.00	0.0	4.87	160.00	-19.43	0.0	777.24	-3200.00
		-3200.00	0.0	0.27	0.0	40.0	4.87	0.0	-19.43	0.0	0.0	0.0
28	29	0.0	0.0	0.05	-160.00	0.0	-18.76	160.00	5.83	0.0	-233.17	-3200.00
		-3200.00	-233.17	0.03	0.0	40.0	-18.76	0.0	5.83	0.0	0.0	0.0
28	32	0.0	233.17	-0.06	-160.00	0.0	18.76	160.00	-5.83	0.0	233.17	-3200.00
		-3200.00	0.0	-0.03	0.0	40.0	18.76	0.0	-5.83	0.0	0.0	0.0
28	38	0.0	0.0	-0.06	-160.00	0.0	16.23	160.00	5.83	0.0	-233.17	-3200.00
		-3200.00	-233.17	0.02	0.0	40.0	16.23	0.0	5.83	0.0	0.0	0.0
28	40	0.0	233.17	-0.06	-160.00	0.0	16.23	160.00	-5.83	0.0	233.17	-3200.00
		-3200.00	0.0	0.16	0.0	40.0	16.23	0.0	-5.83	0.0	0.0	0.0
28	49	0.0	0.0	1.82e-03	-160.00	0.0	-2.12	160.00	8.47	0.0	-338.67	-3200.00
		-3200.00	-338.67	-0.12	0.0	40.0	-2.12	0.0	8.47	0.0	0.0	0.0
28	52	0.0	338.67	-0.01	-160.00	0.0	2.12	160.00	-8.47	0.0	338.67	-3200.00
		-3200.00	0.0	0.12	0.0	40.0	2.12	0.0	-8.47	0.0	0.0	0.0
28	65	0.0	0.0	0.02	-160.00	0.0	-8.17	160.00	2.03	0.0	-81.37	-3200.00
		-3200.00	-81.37	-1.29e-03	0.0	40.0	-8.17	0.0	2.03	0.0	0.0	0.0
28	68	0.0	81.37	-0.03	-160.00	0.0	8.17	160.00	-2.03	0.0	81.37	-3200.00
		-3200.00	0.0	1.82e-03	0.0	40.0	8.17	0.0	-2.03	0.0	0.0	0.0
28	72	0.0	101.60	-0.03	-160.00	0.0	7.07	160.00	-2.54	0.0	101.60	-3200.00
		-3200.00	0.0	0.07	0.0	40.0	7.07	0.0	-2.54	0.0	0.0	0.0
28	77	0.0	0.0	-7.01e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-6.34e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0

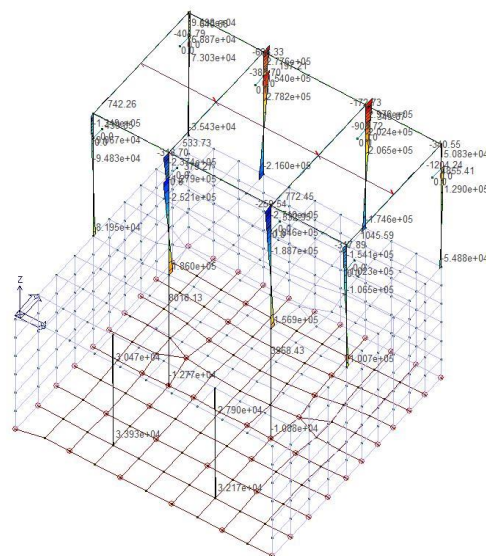
28	79	0.0	0.0	-7.84e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-6.33e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	80	0.0	0.0	-5.77e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	2.63e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	81	0.0	0.0	-7.01e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-6.34e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	83	0.0	0.0	-9.77e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-6.29e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
28	84	0.0	0.0	-7.17e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	3.45e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
29	3	0.0	0.0	0.01	-208.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-4160.00	0.0	-9.70e-05	0.0	40.0	0.0	-208.00	0.0	0.0	0.0	-4160.00
29	4	0.0	0.0	0.02	-208.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-4160.00	0.0	5.04e-04	0.0	40.0	0.0	-208.00	0.0	0.0	0.0	-4160.00
29	6	0.0	0.0	0.01	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	5.29e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
29	25	0.0	0.0	0.03	-160.00	0.0	4.87	0.0	-18.98	0.0	0.0	0.0
		-3200.00	-759.14	-0.37	0.0	40.0	4.87	-160.00	-18.98	0.0	-759.14	-3200.00
29	28	0.0	759.14	-4.86e-03	-160.00	0.0	-4.87	0.0	18.98	0.0	0.0	0.0
		-3200.00	0.0	0.37	0.0	40.0	-4.87	-160.00	18.98	0.0	759.14	-3200.00
29	33	0.0	0.0	0.06	-160.00	0.0	18.76	0.0	-5.69	0.0	0.0	0.0
		-3200.00	-227.74	-3.31e-03	0.0	40.0	18.76	-160.00	-5.69	0.0	-227.74	-3200.00
29	36	0.0	227.74	-0.04	-160.00	0.0	-18.76	0.0	5.69	0.0	0.0	0.0
		-3200.00	0.0	3.81e-03	0.0	40.0	-18.76	-160.00	5.69	0.0	227.74	-3200.00
29	57	0.0	0.0	0.02	-160.00	0.0	2.12	0.0	-8.27	0.0	0.0	0.0
		-3200.00	-330.78	-0.16	0.0	40.0	2.12	-160.00	-8.27	0.0	-330.78	-3200.00
29	60	0.0	330.78	3.72e-03	-160.00	0.0	-2.12	0.0	8.27	0.0	0.0	0.0
		-3200.00	0.0	0.16	0.0	40.0	-2.12	-160.00	8.27	0.0	330.78	-3200.00
29	64	0.0	83.74	-0.01	-160.00	0.0	-8.17	0.0	2.09	0.0	0.0	0.0
		-3200.00	0.0	-0.01	0.0	40.0	-8.17	-160.00	2.09	0.0	83.74	-3200.00
29	65	0.0	0.0	0.03	-160.00	0.0	8.17	0.0	-2.48	0.0	0.0	0.0
		-3200.00	-99.23	-1.30e-03	0.0	40.0	8.17	-160.00	-2.48	0.0	-99.23	-3200.00
29	68	0.0	99.23	-0.01	-160.00	0.0	-8.17	0.0	2.48	0.0	0.0	0.0
		-3200.00	0.0	1.80e-03	0.0	40.0	-8.17	-160.00	2.48	0.0	99.23	-3200.00
29	69	0.0	0.0	0.03	-160.00	0.0	7.07	0.0	-2.09	0.0	0.0	0.0
		-3200.00	-83.74	-0.07	0.0	40.0	7.07	-160.00	-2.09	0.0	-83.74	-3200.00
29	78	0.0	0.0	9.58e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	2.48e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
29	79	0.0	0.0	8.66e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-7.28e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
29	80	0.0	0.0	0.01	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	2.48e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
29	82	0.0	0.0	0.01	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	3.29e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
29	83	0.0	0.0	0.01	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-7.42e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
29	84	0.0	0.0	0.01	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	3.26e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
30	2	0.0	0.0	0.02	-208.00	0.0	0.0	-3000.00	0.0	0.0	0.0	0.0
		-1.242e+05	0.0	5.29e-04	0.0	40.0	0.0	-3208.00	0.0	0.0	0.0	-1.242e+05
30	3	0.0	0.0	0.01	-208.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-4160.00	0.0	-8.01e-05	0.0	40.0	0.0	-208.00	0.0	0.0	0.0	-4160.00
30	6	0.0	0.0	0.02	-160.00	0.0	0.0	-3000.00	0.0	0.0	0.0	0.0
		-1.232e+05	0.0	5.47e-04	0.0	40.0	0.0	-3160.00	0.0	0.0	0.0	-1.232e+05
30	8	0.0	0.0	0.02	-160.00	0.0	0.0	-3000.00	0.0	0.0	0.0	0.0
		-1.232e+05	0.0	5.48e-04	0.0	40.0	0.0	-3160.00	0.0	0.0	0.0	-1.232e+05
30	21	0.0	0.0	0.03	-160.00	0.0	101.22	-1600.00	-398.55	0.0	0.0	0.0
		-6.720e+04	-1.594e+04	-0.31	0.0	40.0	101.22	-1760.00	-398.55	0.0	-1.594e+04	-6.720e+04
30	24	0.0	1.594e+04	-1.12e-04	-160.00	0.0	-101.22	-1600.00	398.55	0.0	0.0	0.0
		-6.720e+04	0.0	0.31	0.0	40.0	-101.22	-1760.00	398.55	0.0	1.594e+04	-6.720e+04
30	29	0.0	0.0	0.06	-160.00	0.0	337.39	-1600.00	-100.89	0.0	0.0	0.0
		-6.720e+04	-4035.74	0.03	0.0	40.0	337.39	-1760.00	-100.89	0.0	-4035.74	-6.720e+04
30	38	0.0	0.0	-0.04	-160.00	0.0	-397.47	-1600.00	-100.89	0.0	0.0	0.0
		-6.720e+04	-4035.74	0.02	0.0	40.0	-397.47	-1760.00	-100.89	0.0	-4035.74	-6.720e+04
30	39	0.0	4035.74	0.07	-160.00	0.0	397.47	-1600.00	100.89	0.0	0.0	0.0
		-6.720e+04	0.0	-0.02	0.0	40.0	397.47	-1760.00	100.89	0.0	4035.74	-6.720e+04
30	42	0.0	0.0	-0.04	-160.00	0.0	-397.47	-1600.00	-119.56	0.0	0.0	0.0
		-6.720e+04	-4782.58	-0.01	0.0	40.0	-397.47	-1760.00	-119.56	0.0	-4782.58	-6.720e+04
30	58	0.0	0.0	8.06e-03	-160.00	0.0	-51.96	-1600.00	-173.66	0.0	0.0	0.0
		-6.720e+04	-6946.36	-0.14	0.0	40.0	-51.96	-1760.00	-173.66	0.0	-6946.36	-6.720e+04
30	59	0.0	6946.36	0.02	-160.00	0.0	51.96	-1600.00	173.66	0.0	0.0	0.0
		-6.720e+04	0.0	0.14	0.0	40.0	51.96	-1760.00	173.66	0.0	6946.36	-6.720e+04
30	68	0.0	2083.91	-6.76e-03	-160.00	0.0	-147.01	-1600.00	52.10	0.0	0.0	0.0
		-6.720e+04	0.0	1.40e-03	0.0	40.0	-147.01	-1760.00	52.10	0.0	2083.91	-6.720e+04
30	71	0.0	1758.49	0.04	-160.00	0.0	173.19	-1600.00	43.96	0.0	0.0	0.0
		-6.720e+04	0.0	-7.19e-03	0.0	40.0	173.19	-1760.00	43.96	0.0	1758.49	-6.720e+04
30	74	0.0	0.0	-8.21e-03	-160.00	0.0	-173.19	-1600.00	-52.10	0.0	0.0	0.0

		-6.720e+04	-2083.91	-5.53e-03	0.0	40.0	-173.19	-1760.00	-52.10	0.0	-2083.91	-6.720e+04
30	75	0.0	2083.91	0.04	-160.00	0.0	173.19	-1600.00	52.10	0.0	0.0	0.0
		-6.720e+04	0.0	6.05e-03	0.0	40.0	173.19	-1760.00	52.10	0.0	2083.91	-6.720e+04
30	78	0.0	0.0	0.01	-160.00	0.0	0.0	-1600.00	0.0	0.0	0.0	0.0
		-6.720e+04	0.0	2.63e-04	0.0	40.0	0.0	-1760.00	0.0	0.0	0.0	-6.720e+04
30	79	0.0	0.0	8.67e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-6.21e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
30	80	0.0	0.0	0.01	-160.00	0.0	0.0	-1600.00	0.0	0.0	0.0	0.0
		-6.720e+04	0.0	2.63e-04	0.0	40.0	0.0	-1760.00	0.0	0.0	0.0	-6.720e+04
30	82	0.0	0.0	0.02	-160.00	0.0	0.0	-2000.00	0.0	0.0	0.0	0.0
		-8.320e+04	0.0	3.44e-04	0.0	40.0	0.0	-2160.00	0.0	0.0	0.0	-8.320e+04
30	83	0.0	0.0	0.01	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-6.17e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
30	84	0.0	0.0	0.02	-160.00	0.0	0.0	-2000.00	0.0	0.0	0.0	0.0
		-8.320e+04	0.0	3.45e-04	0.0	40.0	0.0	-2160.00	0.0	0.0	0.0	-8.320e+04
31	1	0.0	0.0	-4.65e-03	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	-1.01e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	2	0.0	0.0	-2.62e-03	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	4.84e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	3	0.0	0.0	-6.13e-03	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	-1.06e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	4	0.0	0.0	-4.10e-03	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	4.79e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	7	0.0	0.0	-4.88e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-8.20e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	8	0.0	0.0	-2.86e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	5.03e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	14	0.0	0.0	-0.02	-160.00	0.0	4.23	160.00	19.43	0.0	-777.24	-3200.00
		-3200.00	-777.24	-0.27	0.0	40.0	4.23	0.0	19.43	0.0	0.0	0.0
31	15	0.0	777.24	0.02	-160.00	0.0	-4.23	160.00	-19.43	0.0	777.24	-3200.00
		-3200.00	0.0	0.27	0.0	40.0	-4.23	0.0	-19.43	0.0	0.0	0.0
31	37	0.0	0.0	0.06	-160.00	0.0	-20.91	160.00	5.83	0.0	-233.17	-3200.00
		-3200.00	-233.17	-0.16	0.0	40.0	-20.91	0.0	5.83	0.0	0.0	0.0
31	38	0.0	0.0	-0.06	-160.00	0.0	20.91	160.00	5.83	0.0	-233.17	-3200.00
		-3200.00	-233.17	0.02	0.0	40.0	20.91	0.0	5.83	0.0	0.0	0.0
31	39	0.0	233.17	0.06	-160.00	0.0	-20.91	160.00	-5.83	0.0	233.17	-3200.00
		-3200.00	0.0	-0.02	0.0	40.0	-20.91	0.0	-5.83	0.0	0.0	0.0
31	45	0.0	0.0	1.96e-03	-160.00	0.0	-1.84	160.00	8.47	0.0	-338.67	-3200.00
		-3200.00	-338.67	-0.09	0.0	40.0	-1.84	0.0	8.47	0.0	0.0	0.0
31	46	0.0	0.0	-0.01	-160.00	0.0	1.84	160.00	8.47	0.0	-338.67	-3200.00
		-3200.00	-338.67	-0.12	0.0	40.0	1.84	0.0	8.47	0.0	0.0	0.0
31	47	0.0	338.67	5.86e-03	-160.00	0.0	-1.84	160.00	-8.47	0.0	338.67	-3200.00
		-3200.00	0.0	0.12	0.0	40.0	-1.84	0.0	-8.47	0.0	0.0	0.0
31	62	0.0	0.0	-0.03	-160.00	0.0	6.14	160.00	2.54	0.0	-101.60	-3200.00
		-3200.00	-101.60	-0.08	0.0	40.0	6.14	0.0	2.54	0.0	0.0	0.0
31	70	0.0	0.0	-0.03	-160.00	0.0	9.11	160.00	2.54	0.0	-101.60	-3200.00
		-3200.00	-101.60	7.35e-03	0.0	40.0	9.11	0.0	2.54	0.0	0.0	0.0
31	71	0.0	101.60	0.02	-160.00	0.0	-9.11	160.00	-2.54	0.0	101.60	-3200.00
		-3200.00	0.0	-6.89e-03	0.0	40.0	-9.11	0.0	-2.54	0.0	0.0	0.0
31	77	0.0	0.0	-3.50e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-7.72e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	78	0.0	0.0	-2.42e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	2.35e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	79	0.0	0.0	-3.79e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-7.82e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	80	0.0	0.0	-2.72e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	2.34e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	81	0.0	0.0	-3.50e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-7.72e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	82	0.0	0.0	-2.15e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	3.13e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	83	0.0	0.0	-4.48e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-8.07e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
31	84	0.0	0.0	-3.14e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	3.09e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
32	1	0.0	0.0	6.10e-03	-208.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-4160.00	0.0	-7.08e-05	0.0	40.0	0.0	-208.00	0.0	0.0	0.0	-4160.00
32	2	0.0	0.0	8.20e-03	-208.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-4160.00	0.0	5.36e-04	0.0	40.0	0.0	-208.00	0.0	0.0	0.0	-4160.00
32	4	0.0	0.0	9.22e-03	-208.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-4160.00	0.0	5.42e-04	0.0	40.0	0.0	-208.00	0.0	0.0	0.0	-4160.00
32	7	0.0	0.0	5.60e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-4.98e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
32	19	0.0	640.59	0.03	-160.00	0.0	6.27	0.0	16.01	0.0	0.0	0.0
		-3200.00	0.0	0.22	0.0	40.0	6.27	-160.00	16.01	0.0	640.59	-3200.00
32	26	0.0	0.0	-0.01	-160.00	0.0	-6.27	0.0	-18.98	0.0	0.0	0.0
		-3200.00	-759.14	-0.32	0.0	40.0	-6.27	-160.00	-18.98	0.0	-759.14	-3200.00

32	27	0.0	759.14	0.02	-160.00	0.0	6.27	0.0	18.98	0.0	0.0	0.0
		-3200.00	0.0	0.32	0.0	40.0	6.27	-160.00	18.98	0.0	759.14	-3200.00
32	33	0.0	0.0	0.06	-160.00	0.0	14.09	0.0	-5.69	0.0	0.0	0.0
		-3200.00	-227.74	-3.17e-03	0.0	40.0	14.09	-160.00	-5.69	0.0	-227.74	-3200.00
32	38	0.0	0.0	-0.05	-160.00	0.0	-20.91	0.0	-4.80	0.0	0.0	0.0
		-3200.00	-192.18	0.02	0.0	40.0	-20.91	-160.00	-4.80	0.0	-192.18	-3200.00
32	39	0.0	192.18	0.07	-160.00	0.0	20.91	0.0	4.80	0.0	0.0	0.0
		-3200.00	0.0	-0.02	0.0	40.0	20.91	-160.00	4.80	0.0	192.18	-3200.00
32	54	0.0	0.0	-3.18e-04	-160.00	0.0	-1.84	0.0	-8.27	0.0	0.0	0.0
		-3200.00	-330.78	-0.16	0.0	40.0	-1.84	-160.00	-8.27	0.0	-330.78	-3200.00
32	55	0.0	330.78	0.01	-160.00	0.0	1.84	0.0	8.27	0.0	0.0	0.0
		-3200.00	0.0	0.16	0.0	40.0	1.84	-160.00	8.27	0.0	330.78	-3200.00
32	63	0.0	83.74	0.03	-160.00	0.0	6.14	0.0	2.09	0.0	0.0	0.0
		-3200.00	0.0	0.08	0.0	40.0	6.14	-160.00	2.09	0.0	83.74	-3200.00
32	65	0.0	0.0	0.03	-160.00	0.0	6.14	0.0	-2.48	0.0	0.0	0.0
		-3200.00	-99.23	-1.23e-03	0.0	40.0	6.14	-160.00	-2.48	0.0	-99.23	-3200.00
32	74	0.0	0.0	-0.02	-160.00	0.0	-9.11	0.0	-2.48	0.0	0.0	0.0
		-3200.00	-99.23	-5.87e-03	0.0	40.0	-9.11	-160.00	-2.48	0.0	-99.23	-3200.00
32	75	0.0	99.23	0.03	-160.00	0.0	9.11	0.0	2.48	0.0	0.0	0.0
		-3200.00	0.0	6.41e-03	0.0	40.0	9.11	-160.00	2.48	0.0	99.23	-3200.00
32	77	0.0	0.0	4.64e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-5.47e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
32	78	0.0	0.0	5.76e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	2.69e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
32	79	0.0	0.0	4.85e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-5.37e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
32	80	0.0	0.0	5.97e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	2.70e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
32	81	0.0	0.0	4.64e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-5.47e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
32	82	0.0	0.0	6.04e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	3.50e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
32	83	0.0	0.0	5.33e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-5.12e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
32	84	0.0	0.0	6.72e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	3.53e-04	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
37	2	0.0	0.0	-1.12e-03	-208.00	0.0	0.0	208.00	0.0	0.0	0.0	-4160.00
		-4160.00	0.0	5.32e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
37	6	0.0	0.0	1.38e-04	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	5.49e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
37	7	0.0	0.0	-4.91e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-5.47e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
37	17	0.0	0.0	0.02	-160.00	0.0	-4.28	160.00	19.43	0.0	-777.24	-3200.00
		-3200.00	-777.24	-0.27	0.0	40.0	-4.28	0.0	19.43	0.0	0.0	0.0
37	20	0.0	777.24	-0.02	-160.00	0.0	4.28	160.00	-19.43	0.0	777.24	-3200.00
		-3200.00	0.0	0.27	0.0	40.0	4.28	0.0	-19.43	0.0	0.0	0.0
37	29	0.0	0.0	0.06	-160.00	0.0	-20.74	160.00	5.83	0.0	-233.17	-3200.00
		-3200.00	-233.17	0.03	0.0	40.0	-20.74	0.0	5.83	0.0	0.0	0.0
37	32	0.0	233.17	-0.06	-160.00	0.0	20.74	160.00	-5.83	0.0	233.17	-3200.00
		-3200.00	0.0	-0.03	0.0	40.0	20.74	0.0	-5.83	0.0	0.0	0.0
37	33	0.0	0.0	0.06	-160.00	0.0	-20.74	160.00	4.67	0.0	-186.75	-3200.00
		-3200.00	-186.75	-3.46e-03	0.0	40.0	-20.74	0.0	4.67	0.0	0.0	0.0
37	36	0.0	186.75	-0.06	-160.00	0.0	20.74	160.00	-4.67	0.0	186.75	-3200.00
		-3200.00	0.0	3.99e-03	0.0	40.0	20.74	0.0	-4.67	0.0	0.0	0.0
37	49	0.0	0.0	6.74e-03	-160.00	0.0	-1.86	160.00	8.47	0.0	-338.67	-3200.00
		-3200.00	-338.67	-0.12	0.0	40.0	-1.86	0.0	8.47	0.0	0.0	0.0
37	52	0.0	338.67	-0.01	-160.00	0.0	1.86	160.00	-8.47	0.0	338.67	-3200.00
		-3200.00	0.0	0.12	0.0	40.0	1.86	0.0	-8.47	0.0	0.0	0.0
37	61	0.0	0.0	0.03	-160.00	0.0	-9.04	160.00	2.54	0.0	-101.60	-3200.00
		-3200.00	-101.60	0.01	0.0	40.0	-9.04	0.0	2.54	0.0	0.0	0.0
37	65	0.0	0.0	0.02	-160.00	0.0	-9.04	160.00	2.03	0.0	-81.37	-3200.00
		-3200.00	-81.37	-1.36e-03	0.0	40.0	-9.04	0.0	2.03	0.0	0.0	0.0
37	68	0.0	81.37	-0.03	-160.00	0.0	9.04	160.00	-2.03	0.0	81.37	-3200.00
		-3200.00	0.0	1.89e-03	0.0	40.0	9.04	0.0	-2.03	0.0	0.0	0.0
37	72	0.0	101.60	-0.02	-160.00	0.0	6.21	160.00	-2.54	0.0	101.60	-3200.00
		-3200.00	0.0	0.07	0.0	40.0	6.21	0.0	-2.54	0.0	0.0	0.0
37	78	0.0	0.0	-1.62e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	2.66e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
37	79	0.0	0.0	-3.82e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-5.69e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
37	82	0.0	0.0	-1.15e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	3.47e-04	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
37	83	0.0	0.0	-4.51e-03	-160.00	0.0	0.0	160.00	0.0	0.0	0.0	-3200.00
		-3200.00	0.0	-5.55e-05	0.0	40.0	0.0	0.0	0.0	0.0	0.0	0.0
38	2	0.0	0.0	0.02	-208.00	0.0	0.0	-3000.00	0.0	0.0	0.0	0.0
		-1.242e+05	0.0	4.96e-04	0.0	40.0	0.0	-3208.00	0.0	0.0	0.0	-1.242e+05
38	3	0.0	0.0	7.09e-03	-208.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0

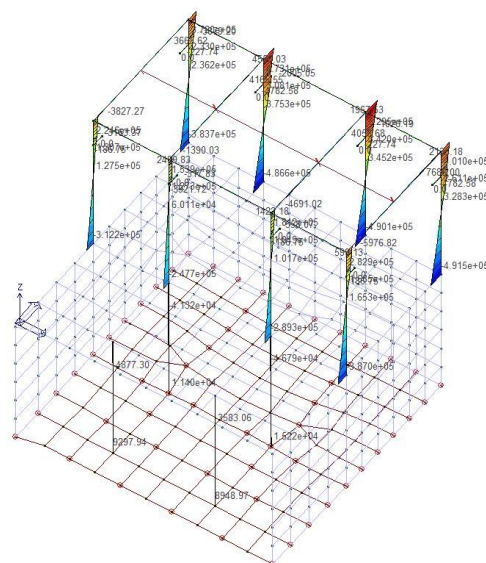
		-4160.00	0.0	-1.10e-04	0.0	40.0	0.0	-208.00	0.0	0.0	0.0	-4160.00
38	4	0.0	0.0	0.02	-208.00	0.0	0.0	-3000.00	0.0	0.0	0.0	0.0
		-1.242e+05	0.0	4.88e-04	0.0	40.0	0.0	-3208.00	0.0	0.0	0.0	-1.242e+05
38	5	0.0	0.0	4.54e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-7.80e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
38	6	0.0	0.0	0.02	-160.00	0.0	0.0	-3000.00	0.0	0.0	0.0	0.0
		-1.232e+05	0.0	5.20e-04	0.0	40.0	0.0	-3160.00	0.0	0.0	0.0	-1.232e+05
38	21	0.0	0.0	0.03	-160.00	0.0	130.66	-1600.00	-398.55	0.0	0.0	0.0
		-6.720e+04	-1.594e+04	-0.31	0.0	40.0	130.66	-1760.00	-398.55	0.0	-1.594e+04	-6.720e+04
38	24	0.0	1.594e+04	-5.30e-03	-160.00	0.0	-130.66	-1600.00	398.55	0.0	0.0	0.0
		-6.720e+04	0.0	0.31	0.0	40.0	-130.66	-1760.00	398.55	0.0	1.594e+04	-6.720e+04
38	29	0.0	0.0	0.07	-160.00	0.0	435.53	-1600.00	-100.89	0.0	0.0	0.0
		-6.720e+04	-4035.74	0.03	0.0	40.0	435.53	-1760.00	-100.89	0.0	-4035.74	-6.720e+04
38	32	0.0	4035.74	-0.05	-160.00	0.0	-435.53	-1600.00	100.89	0.0	0.0	0.0
		-6.720e+04	0.0	-0.03	0.0	40.0	-435.53	-1760.00	100.89	0.0	4035.74	-6.720e+04
38	35	0.0	4782.58	0.07	-160.00	0.0	435.53	-1600.00	119.56	0.0	0.0	0.0
		-6.720e+04	0.0	0.20	0.0	40.0	435.53	-1760.00	119.56	0.0	4782.58	-6.720e+04
38	44	0.0	4782.58	-0.04	-160.00	0.0	-299.33	-1600.00	119.56	0.0	0.0	0.0
		-6.720e+04	0.0	0.19	0.0	40.0	-299.33	-1760.00	119.56	0.0	4782.58	-6.720e+04
38	58	0.0	0.0	4.77e-03	-160.00	0.0	-39.13	-1600.00	-173.66	0.0	0.0	0.0
		-6.720e+04	-6946.36	-0.14	0.0	40.0	-39.13	-1760.00	-173.66	0.0	-6946.36	-6.720e+04
38	59	0.0	6946.36	0.02	-160.00	0.0	39.13	-1600.00	173.66	0.0	0.0	0.0
		-6.720e+04	0.0	0.14	0.0	40.0	39.13	-1760.00	173.66	0.0	6946.36	-6.720e+04
38	61	0.0	0.0	0.04	-160.00	0.0	189.77	-1600.00	-43.96	0.0	0.0	0.0
		-6.720e+04	-1758.49	0.01	0.0	40.0	189.77	-1760.00	-43.96	0.0	-1758.49	-6.720e+04
38	64	0.0	1758.49	-0.01	-160.00	0.0	-189.77	-1600.00	43.96	0.0	0.0	0.0
		-6.720e+04	0.0	-0.01	0.0	40.0	-189.77	-1760.00	43.96	0.0	1758.49	-6.720e+04
38	65	0.0	0.0	0.04	-160.00	0.0	189.77	-1600.00	-52.10	0.0	0.0	0.0
		-6.720e+04	-2083.91	-9.92e-04	0.0	40.0	189.77	-1760.00	-52.10	0.0	-2083.91	-6.720e+04
38	74	0.0	0.0	-0.01	-160.00	0.0	-130.43	-1600.00	-52.10	0.0	0.0	0.0
		-6.720e+04	-2083.91	-5.50e-03	0.0	40.0	-130.43	-1760.00	-52.10	0.0	-2083.91	-6.720e+04
38	77	0.0	0.0	4.61e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-7.85e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
38	78	0.0	0.0	0.01	-160.00	0.0	0.0	-1600.00	0.0	0.0	0.0	0.0
		-6.720e+04	0.0	2.41e-04	0.0	40.0	0.0	-1760.00	0.0	0.0	0.0	-6.720e+04
38	79	0.0	0.0	4.82e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-8.00e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
38	80	0.0	0.0	0.01	-160.00	0.0	0.0	-1600.00	0.0	0.0	0.0	0.0
		-6.720e+04	0.0	2.39e-04	0.0	40.0	0.0	-1760.00	0.0	0.0	0.0	-6.720e+04
38	81	0.0	0.0	4.61e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-7.85e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
38	82	0.0	0.0	0.01	-160.00	0.0	0.0	-2000.00	0.0	0.0	0.0	0.0
		-8.320e+04	0.0	3.20e-04	0.0	40.0	0.0	-2160.00	0.0	0.0	0.0	-8.320e+04
38	83	0.0	0.0	5.29e-03	-160.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		-3200.00	0.0	-8.35e-05	0.0	40.0	0.0	-160.00	0.0	0.0	0.0	-3200.00
38	84	0.0	0.0	0.01	-160.00	0.0	0.0	-2000.00	0.0	0.0	0.0	0.0
		-8.320e+04	0.0	3.15e-04	0.0	40.0	0.0	-2160.00	0.0	0.0	0.0	-8.320e+04
Trave												
		M3 mx/mn	M2 mx/mn	D 2 / D 3	Q 2 / Q 3		N	V 2	V 3	T		
		-5.450e+05	-1.632e+04	-4.22	-1.776e+04		-690.39	-8993.14	-408.05	-2.831e+04		
		7.119e+05	1.632e+04	4.23	0.0		446.61	8811.32	408.05	3.294e+04		

RISULTATI 004) Comb. SLU A1 4
Momento 2-2 [daN cm]

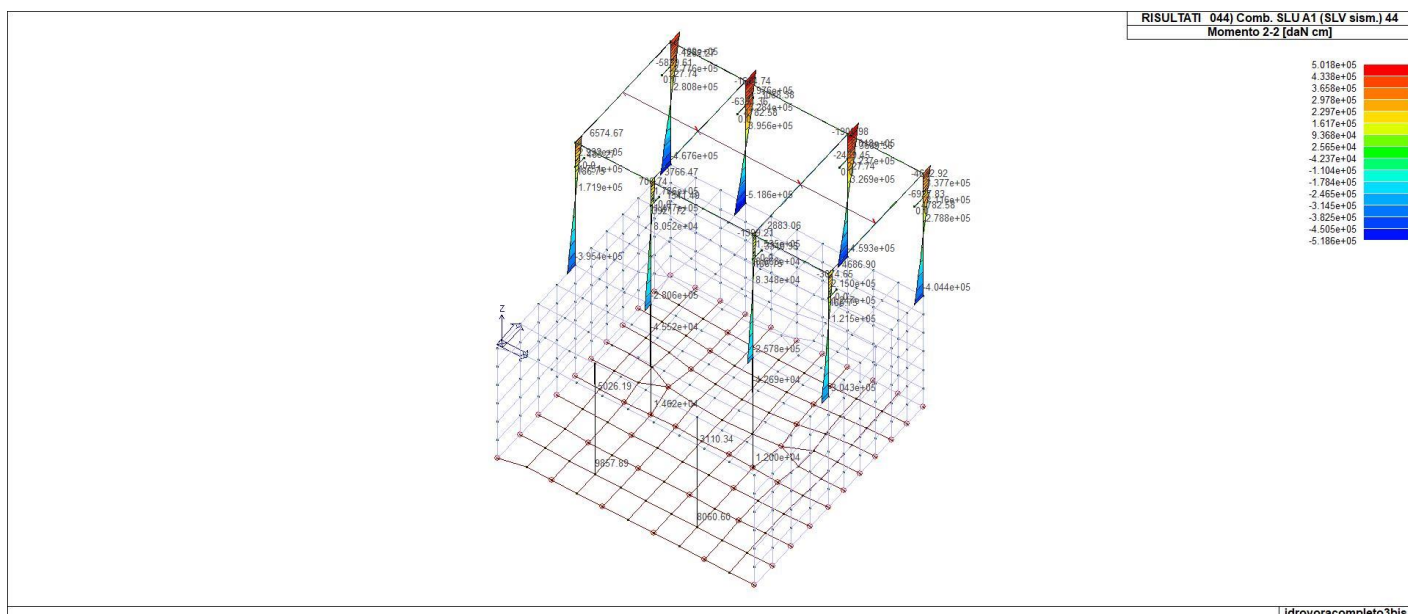


43_RIS_M2_004_Comb. SLU A1 4

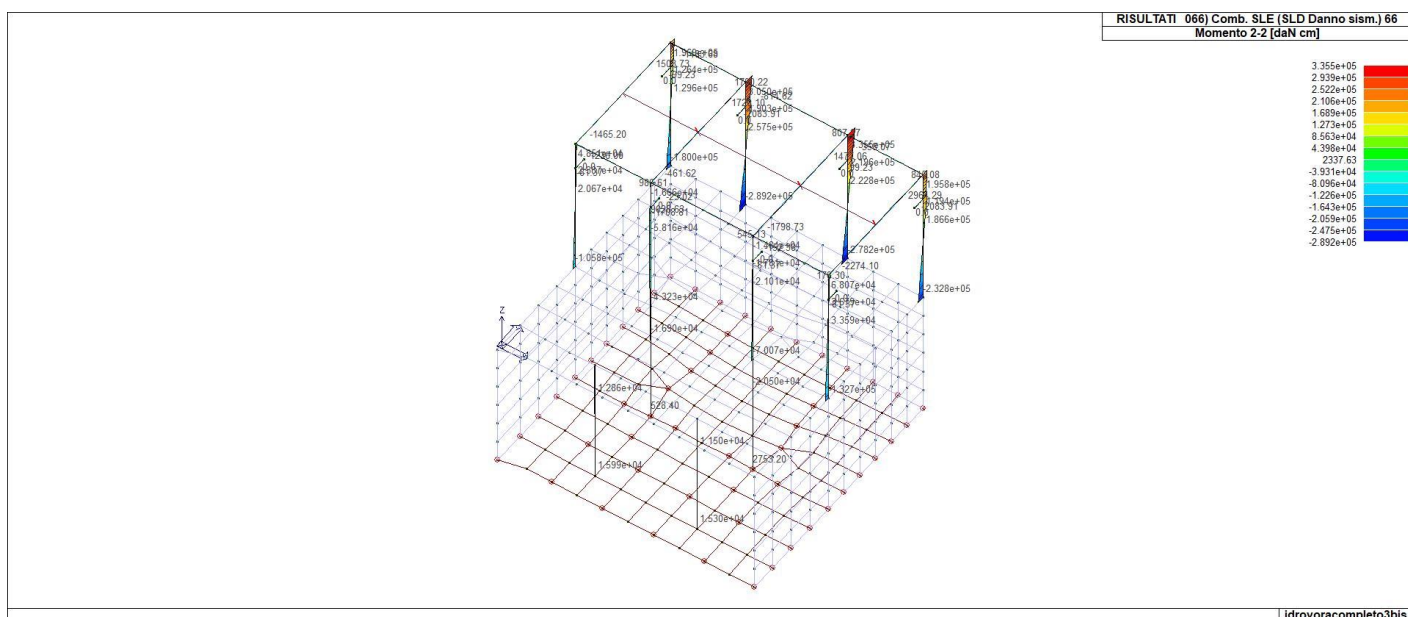
RISULTATI 034) Comb. SLU A1 (SLV sism.) 34
Momento 2-2 [daN cm]



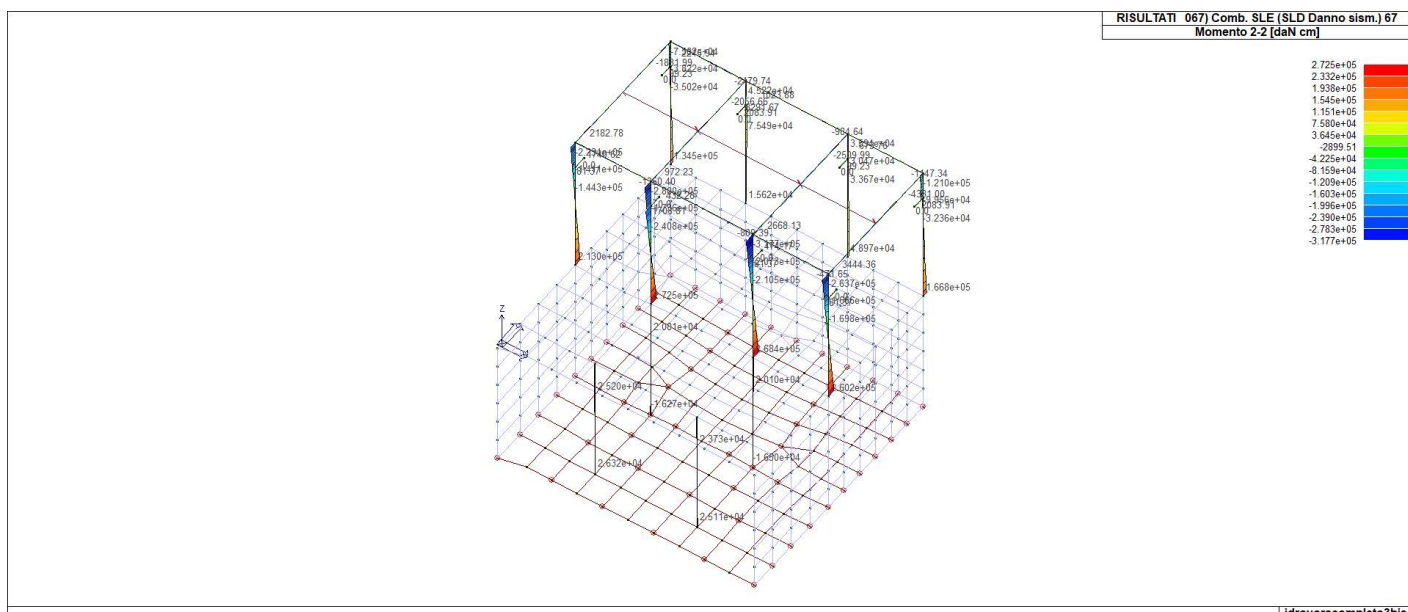
43_RIS_M2_034_Comb. SLU A1 (SLV sism.) 34



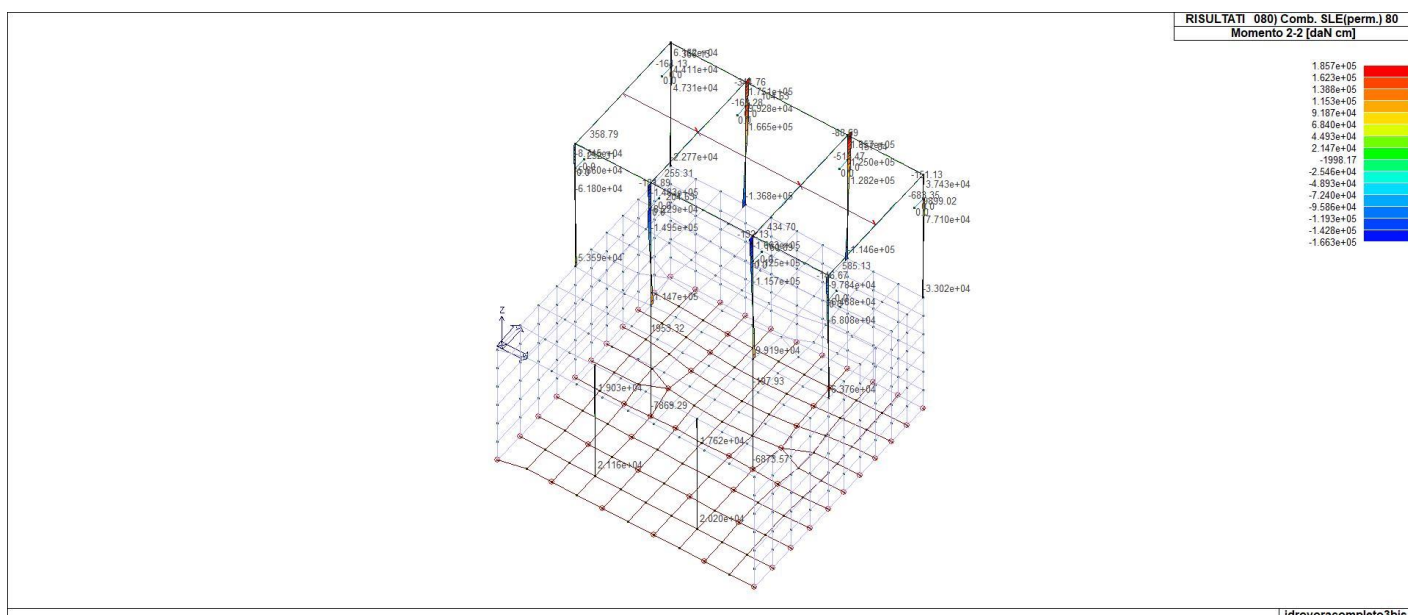
43_RIS_M2_044_Comb. SLU A1 (SLV sism.) 44



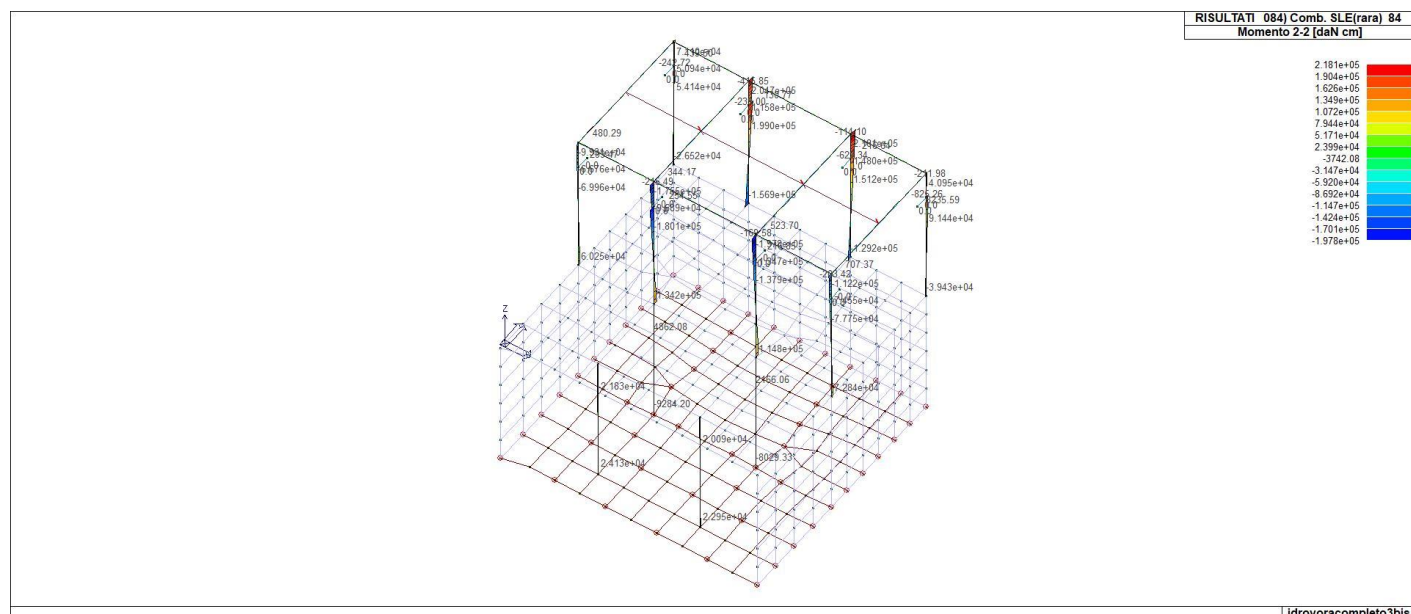
43_RIS_M2_066_Comb. SLE (SLD Danno sism.) 66



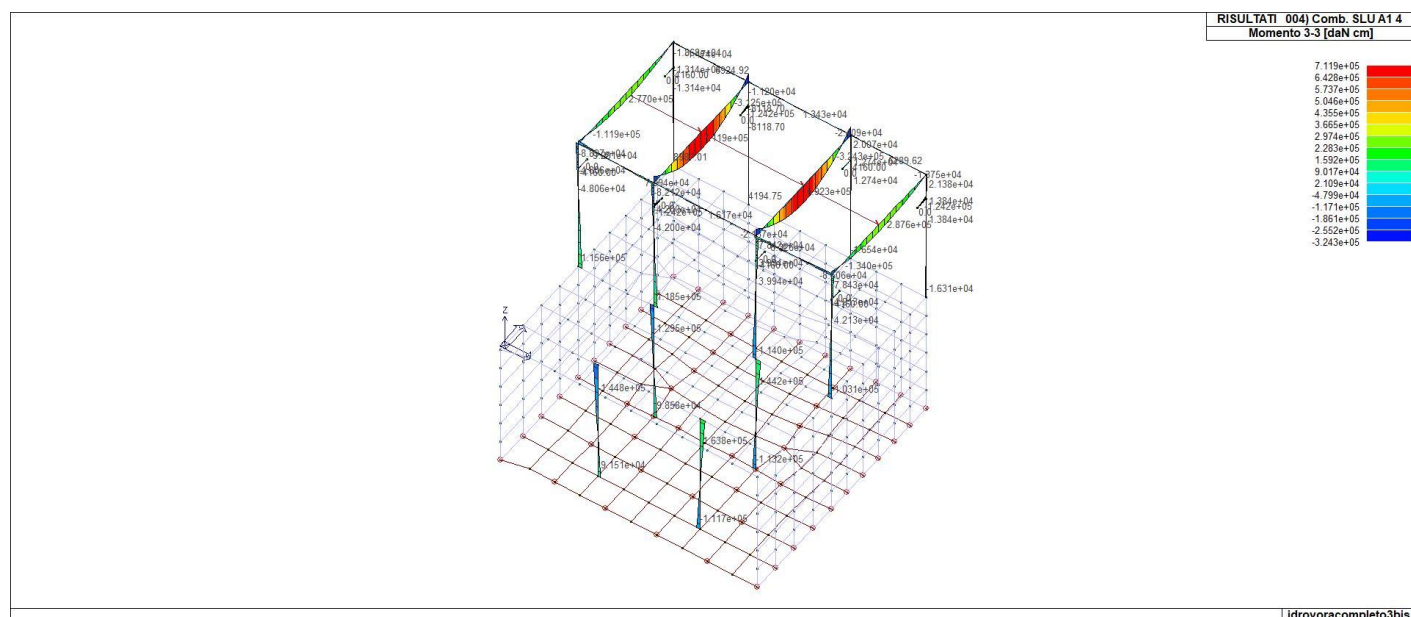
43_RIS_M2_067_Comb. SLE (SLD Danno sism.) 67



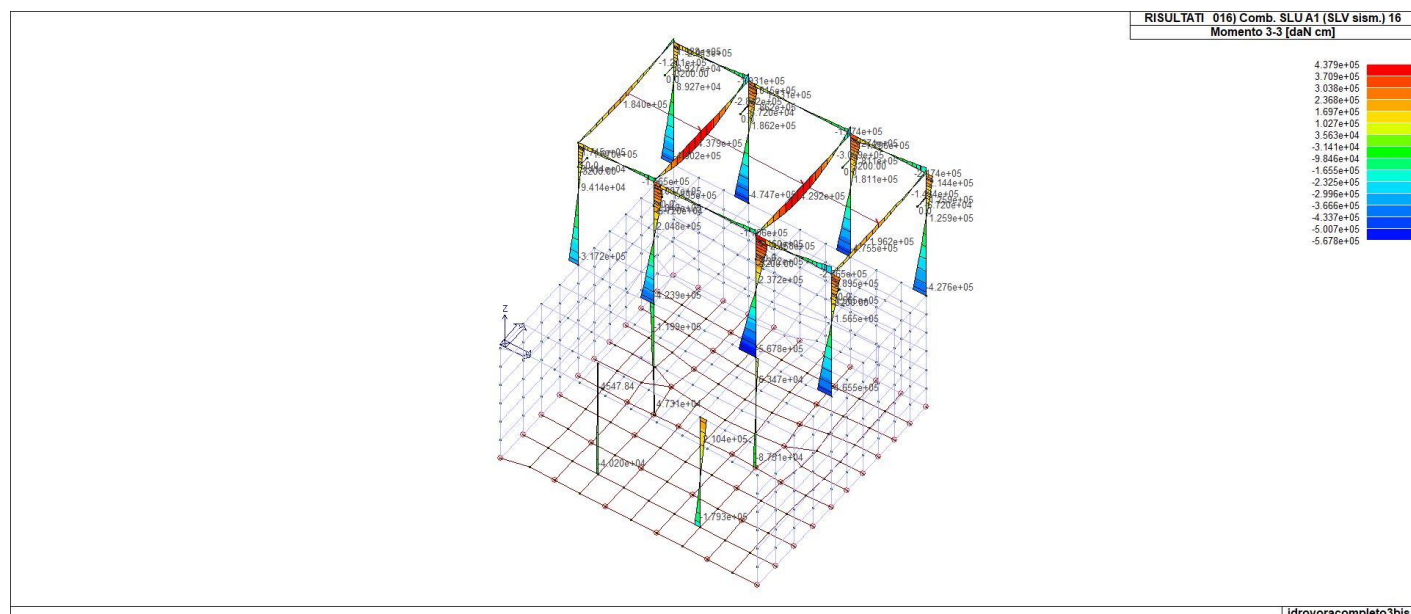
43_RIS_M2_080_Comb. SLE(perm.) 80



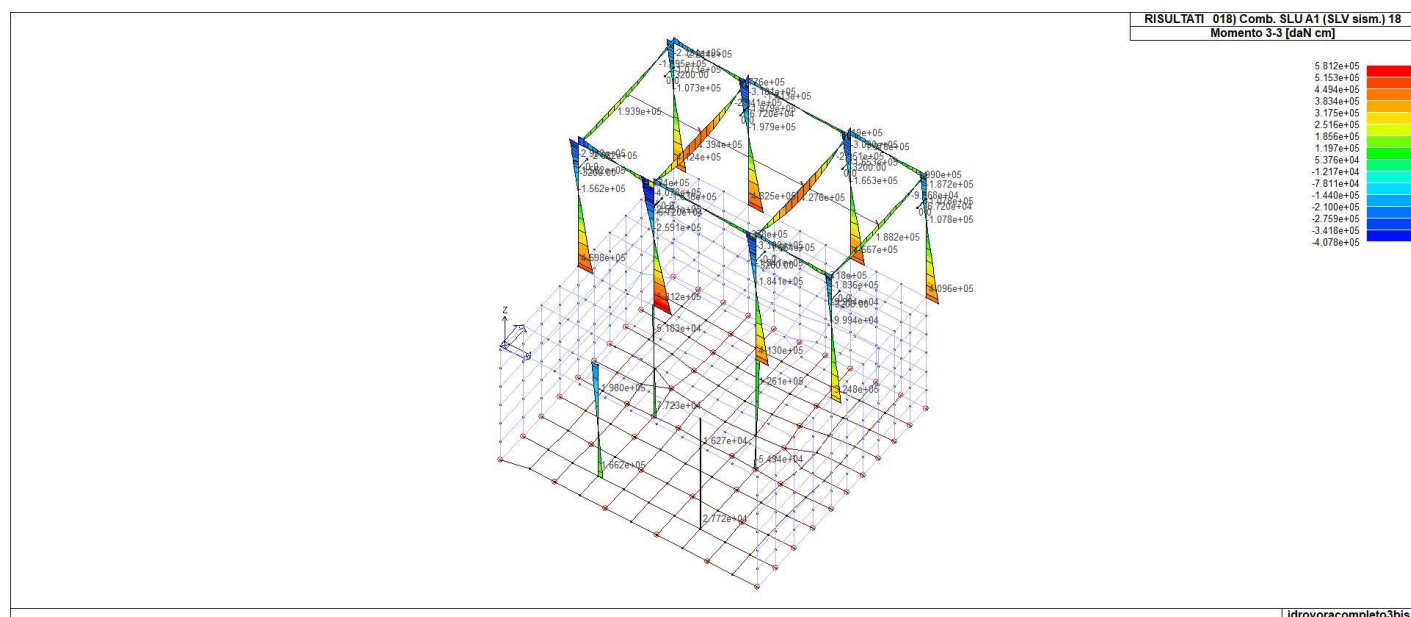
43_RIS_M2_084_Comb. SLE(rara) 84



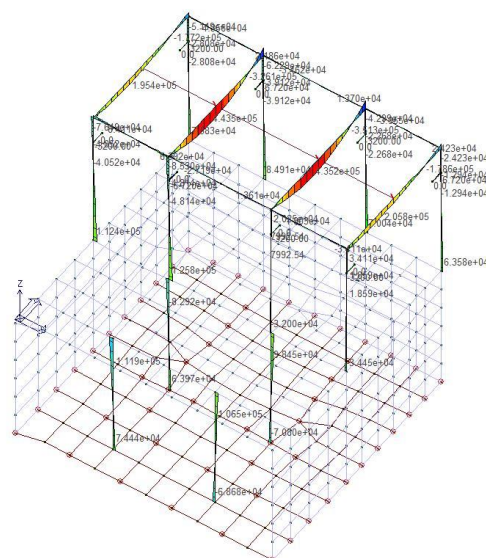
43_RIS_M3_004_Comb. SLU A1 4



43_RIS_M3_016_Comb. SLU A1 (SLV sism.) 16



43_RIS_M3_018_Comb. SLU A1 (SLV sism.) 18

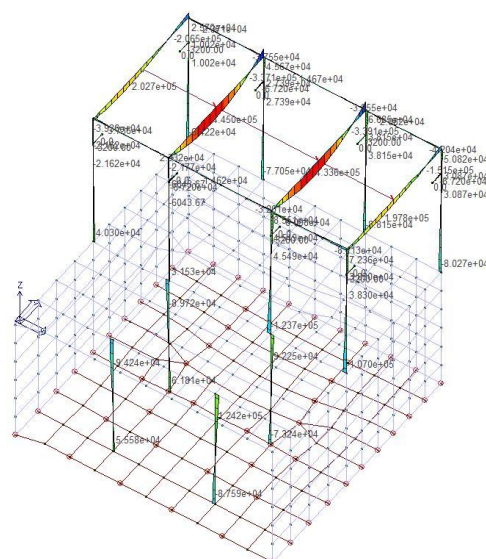


RISULTATI 066) Comb. SLE (SLD Danno sism.) 66
Momento 3-3 [daN cm]

4.435e+05
3.905e+05
3.376e+05
2.846e+05
2.316e+05
1.786e+05
1.256e+05
7.262e+04
1.963e+04
-3.336e+04
-8.634e+04
-1.393e+05
-1.923e+05
-2.453e+05
-2.983e+05
-3.513e+05

idrovoracompleto3bis

43_RIS_M3_066_Comb. SLE (SLD Danno sism.) 66



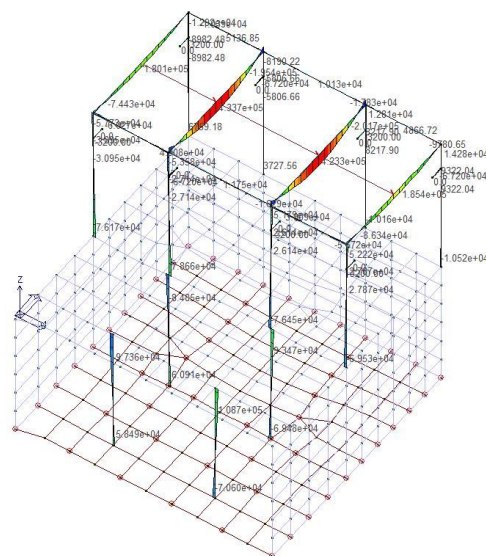
RISULTATI 076) Comb. SLE (SLD Danno sism.) 76
Momento 3-3 [daN cm]

4.450e+05
3.927e+05
3.404e+05
2.881e+05
2.359e+05
1.836e+05
1.313e+05
7.905e+04
2.678e+04
-2.549e+04
-7.778e+04
-1.823e+05
-2.346e+05
-2.868e+05
-3.391e+05

idrovoracompleto3bis

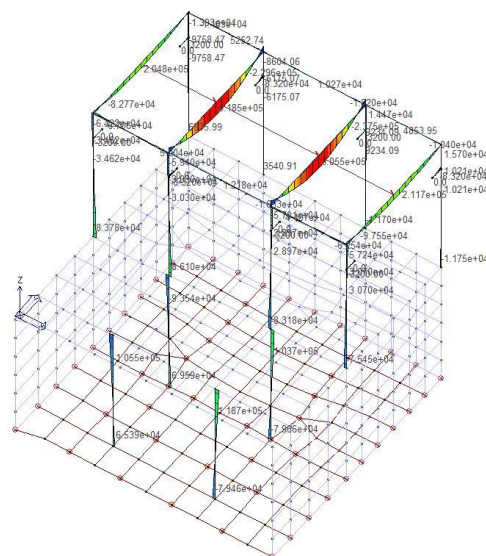
43_RIS_M3_076_Comb. SLE (SLD Danno sism.) 76

RISULTATI 080) Comb. SLE(perm.) 80
Momento 3-3 [daN cm]



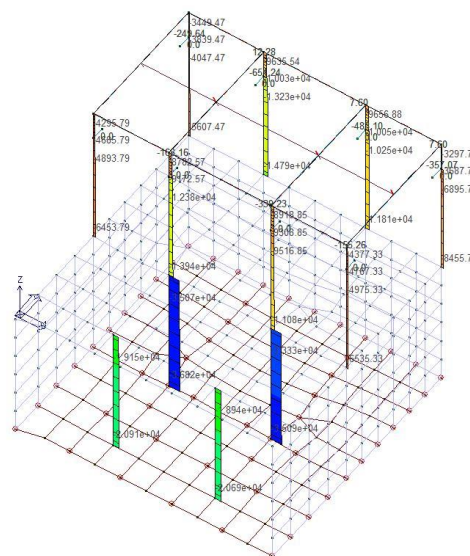
43_RIS_M3_080_Comb. SLE(perm.) 80

RISULTATI 084) Comb. SLE(rara) 84
Momento 3-3 [daN cm]



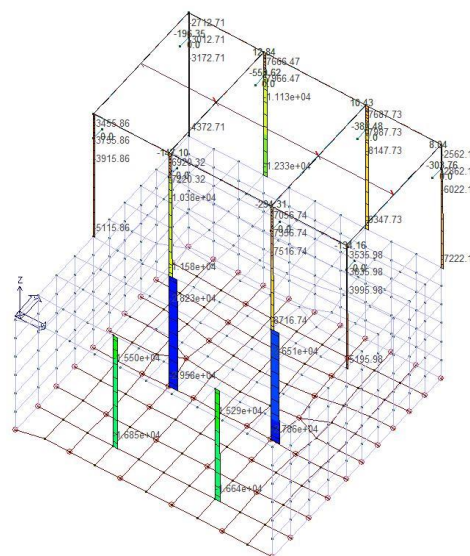
43_RIS_M3_084_Comb. SLE(rara) 84

RISULTATI 004) Comb. SLU A1 4
Sforzo Normale [daN]

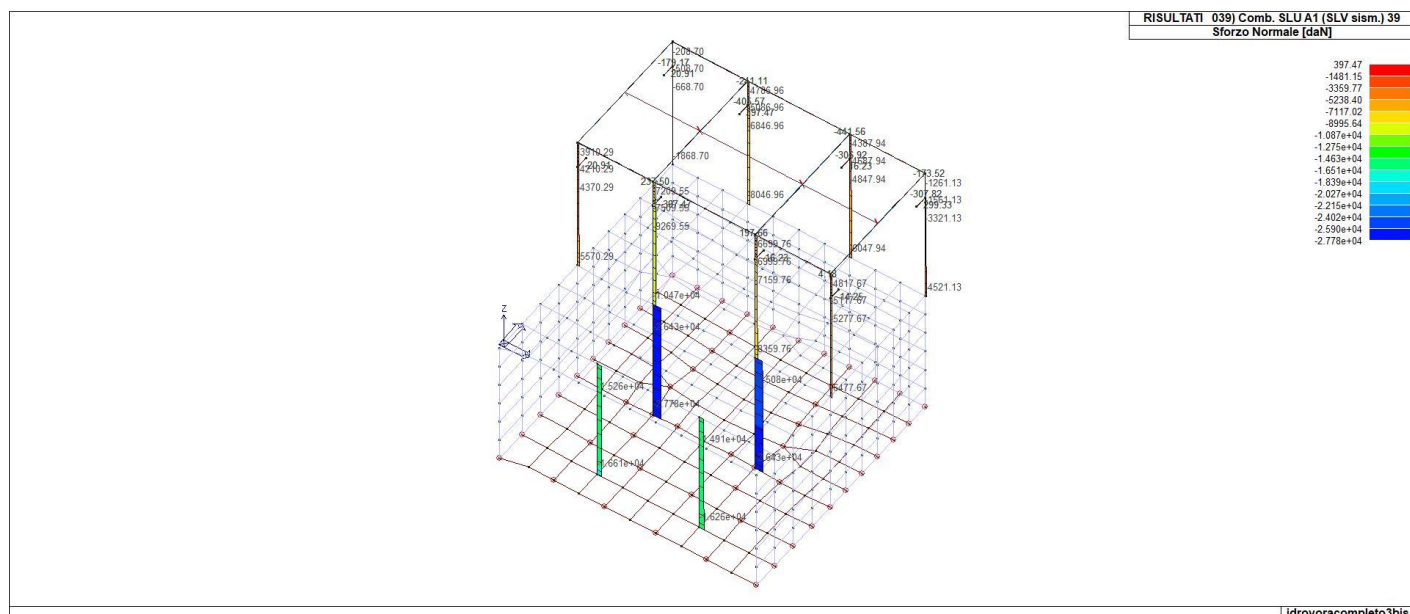


43_RIS_N_004_Comb. SLU A1 4

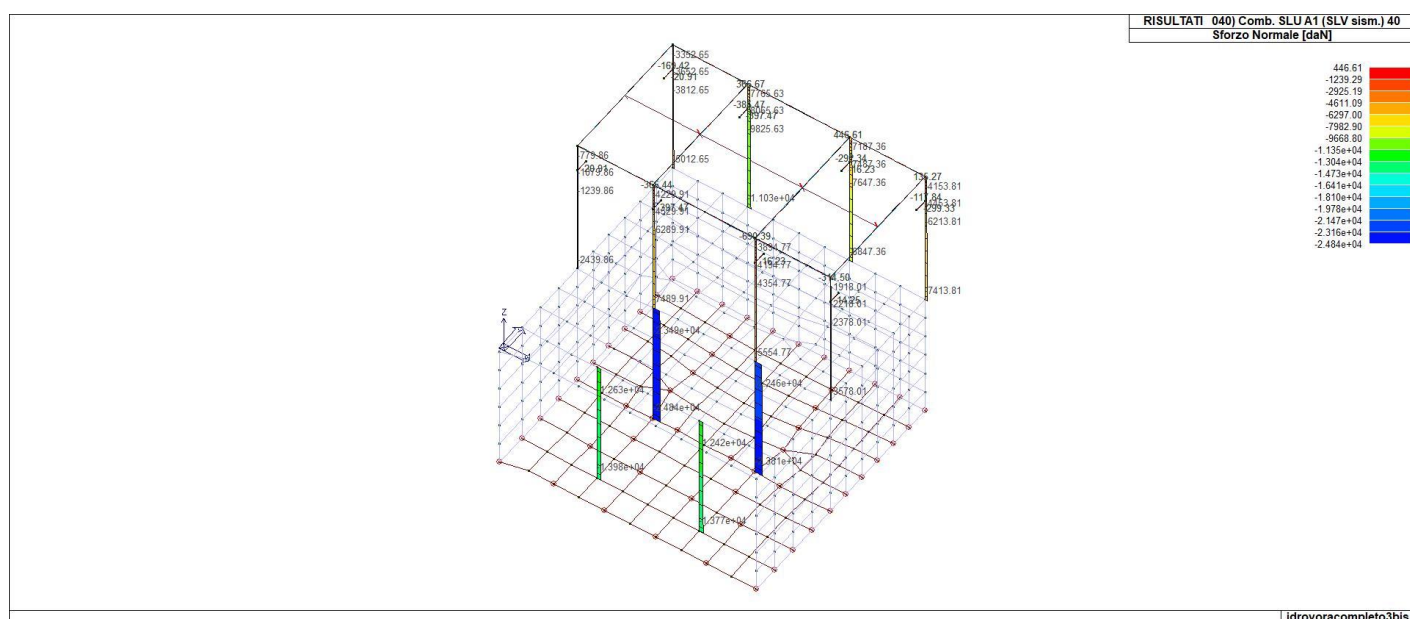
RISULTATI 008) Comb. SLU A1 8
Sforzo Normale [daN]



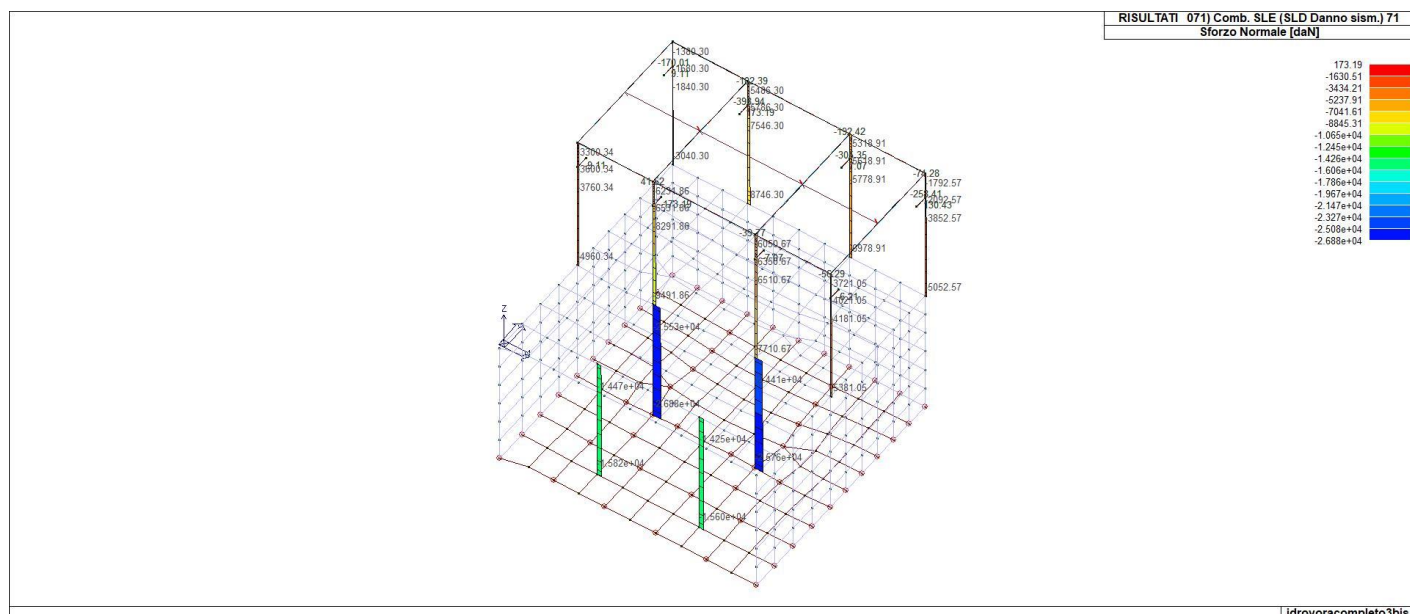
43_RIS_N_008_Comb. SLU A1 8



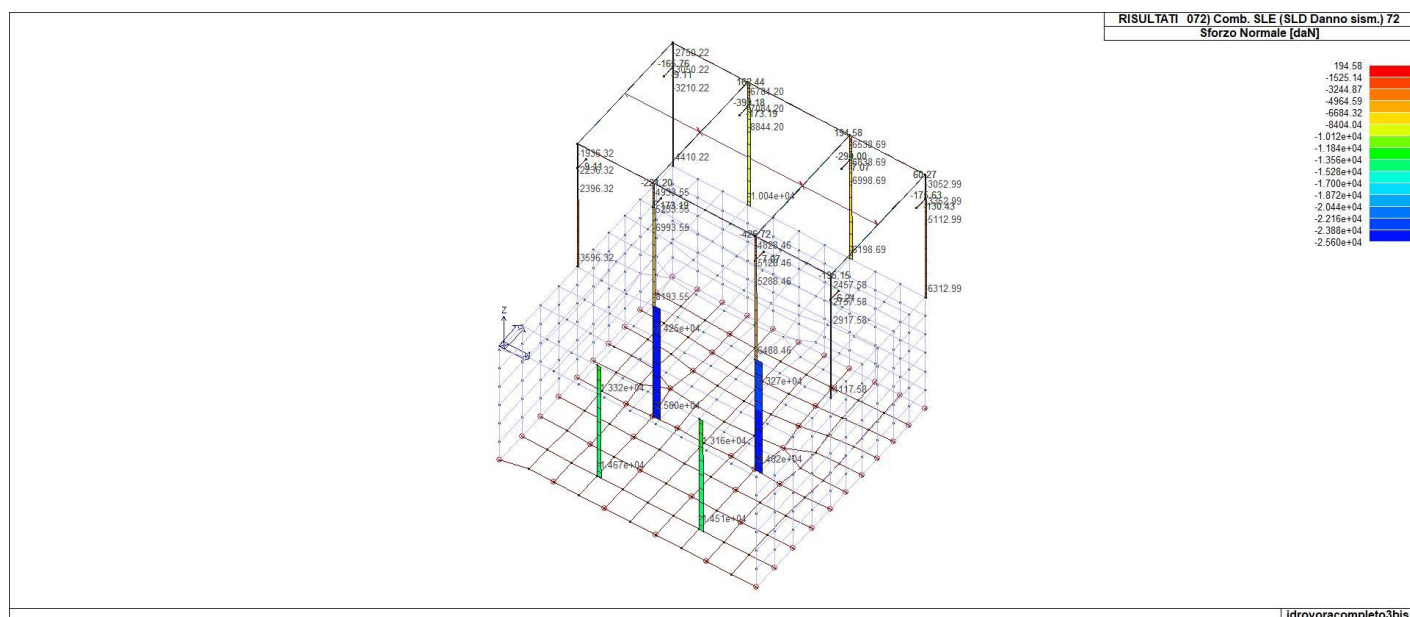
43_RIS_N_039_Comb. SLU A1 (SLV sism.) 39



43_RIS_N_040_Comb. SLU A1 (SLV sism.) 40

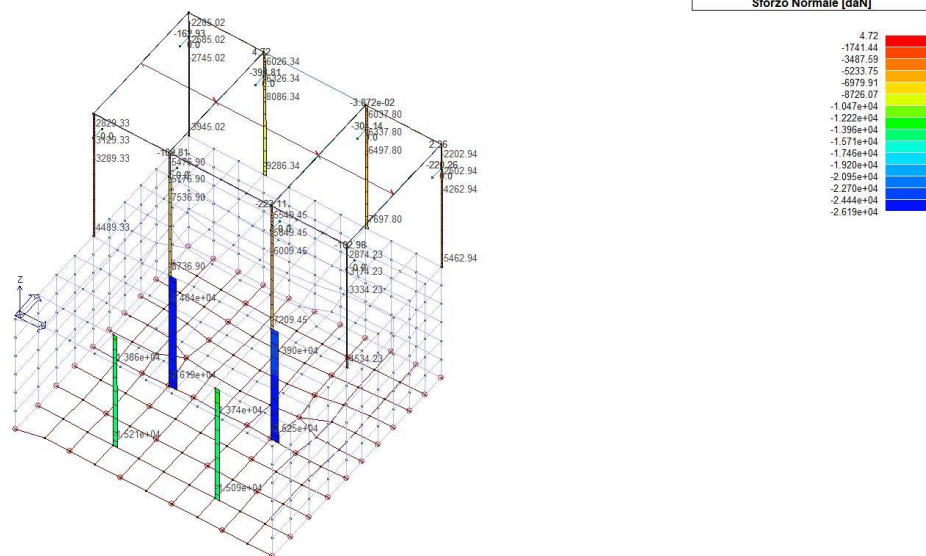


43_RIS_N_071_Comb. SLE (SLD Danno sism.) 71



43_RIS_N_072_Comb. SLE (SLD Danno sism.) 72

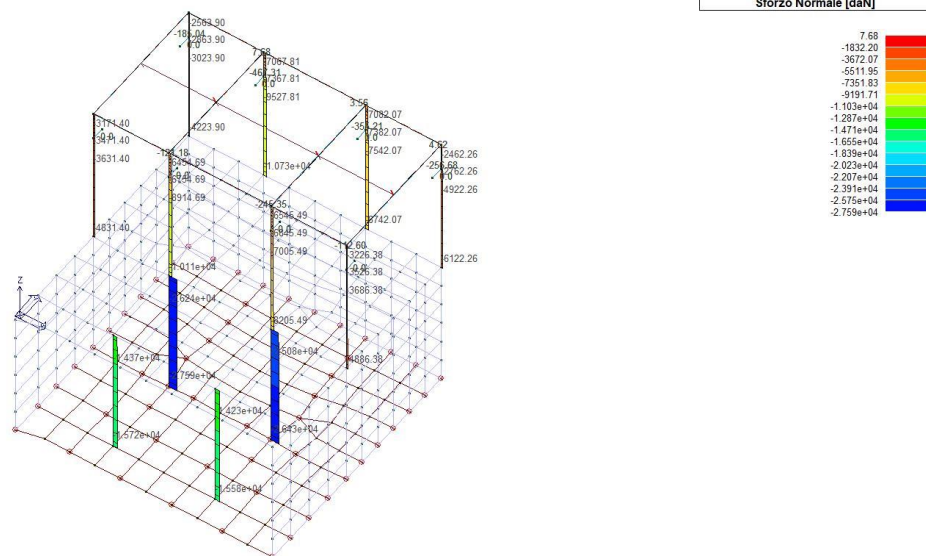
RISULTATI 080) Comb. SLE(perm.) 80
Sforzo Normale [daN]



idrovoracompleto3bis

43_RIS_N_080_Comb. SLE(perm.) 80

RISULTATI 084) Comb. SLE(rara) 84
Sforzo Normale [daN]



idrovoracompleto3bis

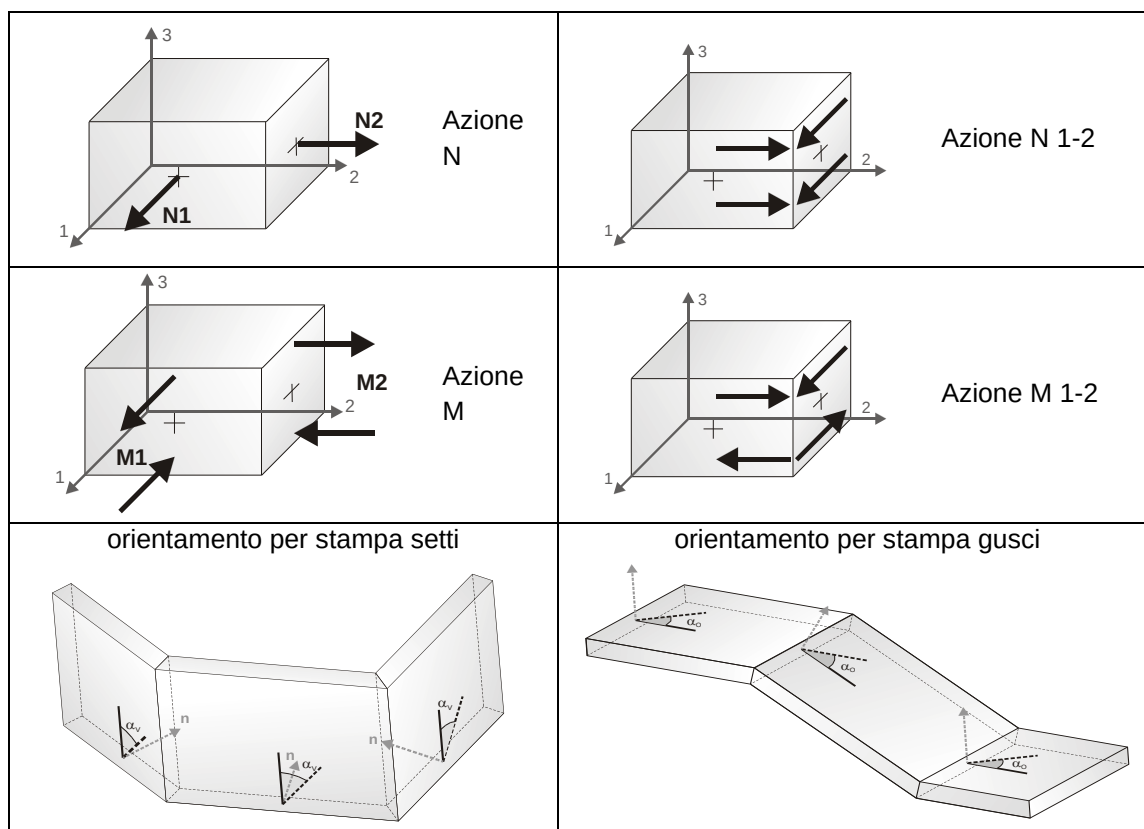
43_RIS_N_084_Comb. SLE(rara) 84

RISULTATI ELEMENTI TIPO SHELL

LEGENDA RISULTATI ELEMENTI TIPO SHELL

Il controllo dei risultati delle analisi condotte, per quanto concerne gli elementi tipo shell, è possibile in relazione alle tabelle sottoriportate.

Per ogni elemento, e per ogni combinazione (o caso di carico) vengono riportati i risultati più significativi.



In particolare vengono riportati in ogni nodo di un elemento per ogni combinazione:

tensione di Von Mises		(valore riassuntivo del complessivo stato di sollecitazione)
N max		sforzo membranale principale massimo
N min		sforzo membranale principale minimo
M max		sforzo flessionale principale massimo
M min		sforzo flessionale principale minimo
N1	N2	sforzi membranali e flessionali in direzione locale 1 e 2 dell'elemento
N1-2	M1	(lo sforzo 2-1 è uguale allo sforzo 1-2 per la reciprocità delle tensioni
M2	M1-2	tangenziali)

I suddetti risultati possono a scelta del progettista essere preceduti o sostituiti da valori di sollecitazione non più riferiti al sistema locale dell'elemento ma al sistema globale.

In questo caso gli elementi vengono raggruppati in gruppi (M_S: macro gusci o macro setti, raggruppati per materiale, spessore, e posizione fisica) per la valutazione dei valori mediati ai nodi appartenenti agli elementi dei gruppi stessi. I valori di sollecitazione sono, in questo caso, riferiti ad una terna specifica del gruppo ruotata di α_0 attorno all'asse Z per i gusci e ruotata di α_v attorno alla normale (che per definizione è orizzontale) al piano del setto.

Per i setti, in particolare, se α_v è zero, l'asse '1-1' rappresenta la verticale e l'asse '2-2' l'orizzontale contenuta nel setto.

Le azioni sui setti possono essere espresse anche con formato macro, cioè riferite all'intero macroelemento.

In particolare vengono riportati per ogni quota Z dei nodi e per ogni combinazione i seguenti valori:

N memb.	Azione membranale complessiva agente sulla parete in direzione Z
V memb.	Azione complessiva di taglio agente nel piano del macroelemento
V orto	Azione complessiva di taglio agente in direzione perpendicolare al macroelemento
M memb.	Azione flessionale complessiva agente nel piano del macroelemento
M orto	Azione flessionale complessiva agente in direzione perpendicolare al macroelemento
T	Azione torsionale complessiva agente nel piano orizzontale

Macro	Tipo	Angolo 1-Z (gradi)
3	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
3	2	-450.00	-7.524e+04	3124.08	6443.99	-1.317e+06	-1.213e+06	-9.066e+04
3	2	-375.00	-7.463e+04	2742.72	6129.02	-1.292e+06	-7.417e+05	-2.820e+04
3	2	-300.00	-6.772e+04	2114.40	5372.40	-1.037e+06	-3.210e+05	9.941e+04
3	2	-225.00	-6.089e+04	2299.12	5436.14	-8.080e+05	8.005e+04	1.311e+05
3	2	-150.00	-5.413e+04	3073.25	6124.72	-6.421e+05	5.095e+05	8.455e+04
3	2	-75.00	-4.756e+04	4347.10	7423.33	-6.296e+05	1.015e+06	-2.743e+04
3	2	0.0	-4.001e+04	5081.89	9268.00	-9.041e+05	1.655e+06	-1.494e+05
3	4	-450.00	-7.691e+04	3051.44	6521.54	-1.602e+06	-1.231e+06	-9.227e+04
3	4	-375.00	-7.624e+04	2697.10	6222.44	-1.547e+06	-7.527e+05	-2.919e+04
3	4	-300.00	-6.922e+04	2078.24	5467.67	-1.248e+06	-3.251e+05	1.008e+05
3	4	-225.00	-6.228e+04	2267.73	5536.02	-9.704e+05	8.328e+04	1.331e+05
3	4	-150.00	-5.540e+04	3036.61	6226.98	-7.558e+05	5.203e+05	8.587e+04
3	4	-75.00	-4.873e+04	4288.87	7518.09	-7.005e+05	1.033e+06	-2.751e+04
3	4	0.0	-4.108e+04	5007.48	9400.88	-9.719e+05	1.682e+06	-1.507e+05
3	5	-450.00	-4.769e+04	157.28	1205.03	-1.045e+06	-2.427e+05	-8399.12
3	5	-375.00	-4.738e+04	377.57	1506.10	-9.367e+05	-1.410e+05	1.234e+04
3	5	-300.00	-4.233e+04	482.05	1547.58	-7.470e+05	-3.078e+04	4.054e+04
3	5	-225.00	-3.735e+04	825.62	1811.63	-6.026e+05	9.383e+04	3.920e+04
3	5	-150.00	-3.242e+04	1375.46	2296.63	-5.093e+05	2.462e+05	1.457e+04
3	5	-75.00	-2.758e+04	2129.84	3053.05	-5.080e+05	4.455e+05	-2.599e+04
3	5	0.0	-2.209e+04	2550.67	4044.46	-6.647e+05	7.196e+05	-5.874e+04
3	16	-450.00	-6.128e+04	-2668.43	2515.67	-3.526e+06	-7.865e+05	-1.134e+05
3	16	-375.00	-6.100e+04	-2366.92	4278.58	-3.228e+06	-5.317e+05	1.100e+05
3	16	-300.00	-5.593e+04	-2440.07	3890.88	-2.812e+06	-2.401e+05	2.090e+05
3	16	-225.00	-5.073e+04	-2177.31	4053.81	-2.358e+06	5.480e+04	2.393e+05
3	16	-150.00	-4.556e+04	-1655.88	4558.04	-1.943e+06	3.759e+05	1.946e+05
3	16	-75.00	-4.058e+04	-1005.49	5270.69	-1.654e+06	7.467e+05	7.493e+04
3	16	0.0	-3.437e+04	-2100.29	7402.51	-1.414e+06	1.244e+06	-1.103e+05
3	19	-450.00	-6.282e+04	2471.41	2506.93	-1.578e+06	-7.531e+05	-9.821e+04
3	19	-375.00	-6.260e+04	1736.00	4215.24	-1.649e+06	-5.011e+05	1.253e+05
3	19	-300.00	-5.760e+04	1626.38	3706.93	-1.568e+06	-2.198e+05	2.045e+05
3	19	-225.00	-5.234e+04	1871.84	3847.88	-1.396e+06	6.018e+04	2.288e+05
3	19	-150.00	-4.715e+04	2470.54	4380.12	-1.279e+06	3.665e+05	1.850e+05
3	19	-75.00	-4.228e+04	3347.59	5197.41	-1.351e+06	7.271e+05	7.445e+04
3	19	0.0	-3.504e+04	4387.33	7190.49	-1.357e+06	1.210e+06	-9.219e+04
3	22	-450.00	-4.733e+04	-3.24	5410.64	-9.232e+05	-7.329e+05	4.720e+04
3	22	-375.00	-4.666e+04	663.67	3395.53	-6.764e+05	-4.027e+05	-1.546e+05
3	22	-300.00	-4.108e+04	155.91	3121.74	-2.627e+05	-1.559e+05	-5.946e+04
3	22	-225.00	-3.591e+04	316.52	3204.47	-7501.84	7.936e+04	-4.792e+04
3	22	-150.00	-3.075e+04	865.94	3702.25	2.113e+05	3.352e+05	-7.026e+04
3	22	-75.00	-2.550e+04	1767.16	4742.66	4.145e+05	6.463e+05	-1.089e+05
3	22	0.0	-2.150e+04	1279.64	5326.60	5.647e+04	1.026e+06	-1.001e+05
3	29	-450.00	-5.553e+04	1.132e+04	4048.37	2.803e+06	-6.356e+05	-3.761e+04
3	29	-375.00	-5.514e+04	9376.72	3429.99	2.184e+06	-3.551e+05	-2.125e+04
3	29	-300.00	-4.997e+04	8959.66	2856.39	1.764e+06	-1.260e+05	8583.23
3	29	-225.00	-4.473e+04	9122.73	2929.08	1.386e+06	8.782e+04	1.038e+04
3	29	-150.00	-3.960e+04	9845.55	3493.39	9.292e+05	3.252e+05	-1.647e+04
3	29	-75.00	-3.482e+04	1.119e+04	4633.24	2.588e+05	6.256e+05	-5.844e+04

3	29	0.0	-2.756e+04	1.571e+04	5470.87	-4.504e+05	1.005e+06	-6.861e+04
3	48	-450.00	-5.777e+04	-202.90	3252.05	-2.143e+06	-7.516e+05	-7.830e+04
3	48	-375.00	-5.741e+04	-145.36	3979.16	-1.984e+06	-4.805e+05	4.149e+04
3	48	-300.00	-5.223e+04	-347.25	3589.90	-1.688e+06	-2.070e+05	1.281e+05
3	48	-225.00	-4.704e+04	-117.22	3726.25	-1.392e+06	6.454e+04	1.507e+05
3	48	-150.00	-4.188e+04	437.55	4237.36	-1.140e+06	3.608e+05	1.129e+05
3	48	-75.00	-3.689e+04	1232.60	5068.80	-1.005e+06	7.097e+05	1.989e+04
3	48	0.0	-3.095e+04	1047.82	6728.37	-1.010e+06	1.167e+06	-1.033e+05
3	51	-450.00	-5.844e+04	2036.68	3248.24	-1.295e+06	-7.371e+05	-7.170e+04
3	51	-375.00	-5.810e+04	1642.41	3951.56	-1.296e+06	-4.671e+05	4.812e+04
3	51	-300.00	-5.296e+04	1424.62	3509.75	-1.147e+06	-1.981e+05	1.262e+05
3	51	-225.00	-4.774e+04	1647.11	3636.52	-9.727e+05	6.689e+04	1.461e+05
3	51	-150.00	-4.258e+04	2235.56	4159.83	-8.506e+05	3.568e+05	1.087e+05
3	51	-75.00	-3.763e+04	3129.36	5036.87	-8.733e+05	7.012e+05	1.968e+04
3	51	0.0	-3.124e+04	3874.67	6635.99	-9.857e+05	1.153e+06	-9.544e+04
3	54	-450.00	-5.170e+04	958.40	4513.47	-1.009e+06	-7.283e+05	-8339.87
3	54	-375.00	-5.116e+04	1175.16	3594.39	-8.723e+05	-4.242e+05	-7.383e+04
3	54	-300.00	-4.576e+04	783.90	3254.77	-5.779e+05	-1.703e+05	1.116e+04
3	54	-225.00	-4.058e+04	969.42	3356.17	-3.677e+05	7.524e+04	2.557e+04
3	54	-150.00	-3.543e+04	1536.39	3864.46	-2.011e+05	3.431e+05	-2510.21
3	54	-75.00	-3.032e+04	2440.72	4838.72	-1.042e+05	6.660e+05	-6.020e+04
3	54	0.0	-2.534e+04	2520.56	5823.84	-3.696e+05	1.072e+06	-9.890e+04
3	61	-450.00	-5.527e+04	5890.14	3919.89	6.146e+05	-6.859e+05	-4.529e+04
3	61	-375.00	-5.485e+04	4971.69	3609.41	3.739e+05	-4.035e+05	-1.572e+04
3	61	-300.00	-4.964e+04	4619.95	3139.15	3.052e+05	-1.573e+05	4.081e+04
3	61	-225.00	-4.442e+04	4806.54	3236.17	2.397e+05	7.893e+04	5.097e+04
3	61	-150.00	-3.929e+04	5449.06	3773.45	1.116e+05	3.388e+05	2.093e+04
3	61	-75.00	-3.438e+04	6547.90	4791.05	-1.720e+05	6.570e+05	-3.822e+04
3	61	0.0	-2.798e+04	8806.79	5886.70	-5.904e+05	1.063e+06	-8.516e+04
3	77	-450.00	-4.781e+04	152.43	1210.20	-1.064e+06	-2.438e+05	-8506.81
3	77	-375.00	-4.748e+04	374.53	1512.33	-9.537e+05	-1.417e+05	1.227e+04
3	77	-300.00	-4.243e+04	479.64	1553.93	-7.610e+05	-3.105e+04	4.063e+04
3	77	-225.00	-3.744e+04	823.53	1818.29	-6.134e+05	9.405e+04	3.933e+04
3	77	-150.00	-3.250e+04	1373.02	2303.45	-5.168e+05	2.470e+05	1.466e+04
3	77	-75.00	-2.766e+04	2125.95	3059.37	-5.127e+05	4.467e+05	-2.599e+04
3	77	0.0	-2.216e+04	2545.71	4053.32	-6.692e+05	7.214e+05	-5.882e+04
3	78	-450.00	-5.473e+04	1715.51	3805.17	-1.019e+06	-7.212e+05	-5.090e+04
3	78	-375.00	-5.431e+04	1579.26	3729.27	-9.724e+05	-4.387e+05	-1.124e+04
3	78	-300.00	-4.908e+04	1276.06	3338.43	-7.791e+05	-1.806e+05	6.543e+04
3	78	-225.00	-4.391e+04	1479.86	3453.33	-6.133e+05	7.142e+04	8.193e+04
3	78	-150.00	-3.879e+04	2061.43	3969.27	-4.969e+05	3.471e+05	4.954e+04
3	78	-75.00	-3.381e+04	2972.49	4893.95	-4.905e+05	6.775e+05	-2.260e+04
3	78	0.0	-2.810e+04	3493.67	6181.23	-6.850e+05	1.103e+06	-9.768e+04
3	80	-450.00	-5.506e+04	1700.98	3820.68	-1.076e+06	-7.247e+05	-5.122e+04
3	80	-375.00	-5.463e+04	1570.14	3747.95	-1.024e+06	-4.409e+05	-1.144e+04
3	80	-300.00	-4.937e+04	1268.83	3357.49	-8.212e+05	-1.814e+05	6.570e+04
3	80	-225.00	-4.419e+04	1473.58	3473.31	-6.458e+05	7.207e+04	8.231e+04
3	80	-150.00	-3.905e+04	2054.10	3989.72	-5.197e+05	3.492e+05	4.980e+04
3	80	-75.00	-3.404e+04	2960.84	4912.90	-5.047e+05	6.812e+05	-2.262e+04
3	80	0.0	-2.831e+04	3478.79	6207.80	-6.986e+05	1.108e+06	-9.794e+04
3	81	-450.00	-4.781e+04	152.43	1210.20	-1.064e+06	-2.438e+05	-8506.81
3	81	-375.00	-4.748e+04	374.53	1512.33	-9.537e+05	-1.417e+05	1.227e+04
3	81	-300.00	-4.243e+04	479.64	1553.93	-7.610e+05	-3.105e+04	4.063e+04
3	81	-225.00	-3.744e+04	823.53	1818.29	-6.134e+05	9.405e+04	3.933e+04
3	81	-150.00	-3.250e+04	1373.02	2303.45	-5.168e+05	2.470e+05	1.466e+04
3	81	-75.00	-2.766e+04	2125.95	3059.37	-5.127e+05	4.467e+05	-2.599e+04
3	81	0.0	-2.216e+04	2545.71	4053.32	-6.692e+05	7.214e+05	-5.882e+04
3	82	-450.00	-5.646e+04	2106.28	4453.91	-1.007e+06	-8.405e+05	-6.150e+04
3	82	-375.00	-5.602e+04	1880.45	4283.50	-9.771e+05	-5.129e+05	-1.712e+04
3	82	-300.00	-5.074e+04	1475.16	3784.56	-7.836e+05	-2.180e+05	7.163e+04
3	82	-225.00	-4.552e+04	1643.94	3862.09	-6.133e+05	6.576e+04	9.258e+04
3	82	-150.00	-4.036e+04	2233.53	4385.73	-4.920e+05	3.721e+05	5.826e+04
3	82	-75.00	-3.534e+04	3184.12	5352.59	-4.850e+05	7.352e+05	-2.175e+04
3	82	0.0	-2.958e+04	3730.66	6713.21	-6.889e+05	1.198e+06	-1.074e+05
3	84	-450.00	-5.757e+04	2057.84	4505.61	-1.197e+06	-8.521e+05	-6.258e+04
3	84	-375.00	-5.708e+04	1850.03	4345.78	-1.147e+06	-5.202e+05	-1.778e+04
3	84	-300.00	-5.173e+04	1451.06	3848.07	-9.239e+05	-2.207e+05	7.253e+04
3	84	-225.00	-4.645e+04	1623.02	3928.68	-7.215e+05	6.792e+04	9.386e+04
3	84	-150.00	-4.121e+04	2209.10	4453.90	-5.677e+05	3.793e+05	5.914e+04
3	84	-75.00	-3.612e+04	3145.30	5415.77	-5.322e+05	7.474e+05	-2.180e+04
3	84	0.0	-3.029e+04	3681.05	6801.79	-7.341e+05	1.216e+06	-1.083e+05
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-7.691e+04	-2668.43	1205.03	-3.526e+06	-1.231e+06	-1.546e+05
			-2.150e+04	1.571e+04	9400.88	2.803e+06	1.682e+06	2.393e+05

Macro	Tipo	Angolo 1-Z (gradi)
4	Setto	0.0

M_S	Cmb	Z cm	N memb. daN	V memb. daN	V orto daN	M memb. daN cm	M orto daN cm	T daN cm
4	2	-450.00	-7.544e+04	2690.97	-6293.49	-1.541e+06	1.170e+06	7.303e+04
4	2	-375.00	-7.477e+04	2284.56	-5978.45	-1.455e+06	7.101e+05	3.783e+04
4	2	-300.00	-6.762e+04	1651.84	-5236.19	-1.118e+06	3.001e+05	-6.596e+04
4	2	-225.00	-6.055e+04	1830.82	-5306.99	-8.026e+05	-9.106e+04	-9.017e+04
4	2	-150.00	-5.354e+04	2602.41	-5999.94	-5.496e+05	-5.109e+05	-4.735e+04
4	2	-75.00	-4.674e+04	3924.45	-7338.11	-4.622e+05	-1.007e+06	4.883e+04
4	2	0.0	-3.894e+04	4864.18	-8986.54	-6.705e+05	-1.632e+06	1.352e+05
4	4	-450.00	-7.710e+04	2616.68	-6370.04	-1.844e+06	1.188e+06	7.449e+04
4	4	-375.00	-7.638e+04	2237.32	-6071.01	-1.728e+06	7.210e+05	3.894e+04
4	4	-300.00	-6.912e+04	1614.13	-5330.74	-1.345e+06	3.042e+05	-6.697e+04
4	4	-225.00	-6.193e+04	1797.90	-5406.21	-9.799e+05	-9.426e+04	-9.176e+04
4	4	-150.00	-5.481e+04	2564.25	-6101.54	-6.768e+05	-5.217e+05	-4.849e+04
4	4	-75.00	-4.791e+04	3864.70	-7432.16	-5.453e+05	-1.026e+06	4.877e+04
4	4	0.0	-4.001e+04	4788.00	-9118.61	-7.494e+05	-1.659e+06	1.362e+05
4	5	-450.00	-4.843e+04	6.00	-1116.80	-1.354e+06	2.215e+05	2142.12
4	5	-375.00	-4.810e+04	228.18	-1425.91	-1.227e+06	1.262e+05	-1.111e+04
4	5	-300.00	-4.292e+04	335.52	-1474.65	-1.012e+06	2.170e+04	-3.167e+04
4	5	-225.00	-3.781e+04	680.71	-1742.21	-8.425e+05	-9.760e+04	-2.837e+04
4	5	-150.00	-3.274e+04	1231.20	-2227.06	-7.255e+05	-2.448e+05	-5466.91
4	5	-75.00	-2.777e+04	1985.75	-2980.39	-7.027e+05	-4.387e+05	2.996e+04
4	5	0.0	-2.215e+04	2420.99	-3967.85	-8.354e+05	-7.072e+05	5.435e+04
4	13	-450.00	-6.318e+04	2178.85	-2445.54	-1.870e+06	7.334e+05	7.754e+04
4	13	-375.00	-6.292e+04	1434.59	-4152.68	-1.900e+06	4.860e+05	-1.219e+05
4	13	-300.00	-5.774e+04	1324.08	-3654.04	-1.766e+06	2.090e+05	-1.868e+05
4	13	-225.00	-5.230e+04	1567.66	-3800.30	-1.533e+06	-6.720e+04	-2.063e+05
4	13	-150.00	-4.691e+04	2165.96	-4336.79	-1.353e+06	-3.701e+05	-1.649e+05
4	13	-75.00	-4.186e+04	3069.58	-5181.25	-1.368e+06	-7.279e+05	-6.482e+04
4	13	0.0	-3.446e+04	4210.91	-7053.41	-1.321e+06	-1.204e+06	7.665e+04
4	18	-450.00	-6.164e+04	-2947.18	-2432.06	-3.815e+06	7.630e+05	9.348e+04
4	18	-375.00	-6.133e+04	-2662.16	-4200.86	-3.477e+06	5.143e+05	-1.061e+05
4	18	-300.00	-5.608e+04	-2735.31	-3824.25	-3.007e+06	2.281e+05	-1.887e+05
4	18	-225.00	-5.070e+04	-2474.71	-3993.31	-2.493e+06	-6.211e+04	-2.139e+05
4	18	-150.00	-4.534e+04	-1954.00	-4501.58	-2.017e+06	-3.788e+05	-1.716e+05
4	18	-75.00	-4.018e+04	-1275.30	-5240.09	-1.673e+06	-7.458e+05	-6.315e+04
4	18	0.0	-3.378e+04	-2235.95	-7246.55	-1.383e+06	-1.235e+06	9.426e+04
4	28	-450.00	-4.764e+04	-267.35	-5259.53	-1.070e+06	6.942e+05	-5.130e+04
4	28	-375.00	-4.694e+04	383.04	-3250.41	-7.857e+05	3.751e+05	1.616e+05
4	28	-300.00	-4.120e+04	-126.72	-2986.81	-3.221e+05	1.388e+05	8.280e+04
4	28	-225.00	-3.587e+04	30.61	-3073.93	-1.942e+04	-8.654e+04	7.592e+04
4	28	-150.00	-3.056e+04	578.01	-3571.84	2.443e+05	-3.326e+05	9.556e+04
4	28	-75.00	-2.518e+04	1504.14	-4624.41	4.838e+05	-6.341e+05	1.245e+05
4	28	0.0	-2.099e+04	1144.85	-5119.87	1.569e+05	-1.000e+06	9.723e+04
4	39	-450.00	-5.583e+04	1.102e+04	-3965.93	2.605e+06	6.099e+05	2.876e+04
4	39	-375.00	-5.541e+04	9079.16	-3338.36	2.024e+06	3.360e+05	2.670e+04
4	39	-300.00	-5.008e+04	8658.90	-2772.14	1.655e+06	1.134e+05	8412.00
4	39	-225.00	-4.466e+04	8819.80	-2848.08	1.331e+06	-9.426e+04	1.019e+04
4	39	-150.00	-3.936e+04	9541.85	-3414.48	9.279e+05	-3.256e+05	3.458e+04
4	39	-75.00	-3.442e+04	1.091e+04	-4574.67	3.047e+05	-6.205e+05	6.802e+04
4	39	0.0	-2.703e+04	1.548e+04	-5319.76	-3.587e+05	-9.911e+05	6.283e+04
4	45	-450.00	-5.879e+04	1752.51	-3160.82	-1.544e+06	7.119e+05	5.629e+04
4	45	-375.00	-5.841e+04	1347.18	-3865.03	-1.506e+06	4.485e+05	-4.353e+04
4	45	-300.00	-5.309e+04	1128.18	-3433.02	-1.305e+06	1.856e+05	-1.068e+05
4	45	-225.00	-4.770e+04	1348.41	-3564.84	-1.074e+06	-7.391e+04	-1.221e+05
4	45	-150.00	-4.235e+04	1936.02	-4091.29	-8.938e+05	-3.585e+05	-8.715e+04
4	45	-75.00	-3.723e+04	2855.93	-4991.53	-8.655e+05	-6.982e+05	-8369.82
4	45	0.0	-3.068e+04	3709.65	-6478.21	-9.301e+05	-1.141e+06	8.359e+04
4	50	-450.00	-5.812e+04	-481.05	-3154.95	-2.392e+06	7.248e+05	6.323e+04
4	50	-375.00	-5.772e+04	-437.90	-3886.02	-2.193e+06	4.608e+05	-3.663e+04
4	50	-300.00	-5.237e+04	-640.62	-3507.18	-1.846e+06	1.939e+05	-1.077e+05
4	50	-225.00	-4.700e+04	-412.97	-3648.94	-1.492e+06	-7.169e+04	-1.254e+05
4	50	-150.00	-4.166e+04	140.83	-4163.09	-1.183e+06	-3.623e+05	-9.009e+04
4	50	-75.00	-3.650e+04	962.74	-5017.17	-9.983e+05	-7.060e+05	-7643.04
4	50	0.0	-3.038e+04	900.57	-6562.37	-9.573e+05	-1.154e+06	9.127e+04
4	60	-450.00	-5.201e+04	686.63	-4386.96	-1.196e+06	6.948e+05	148.44
4	60	-375.00	-5.145e+04	888.98	-3471.88	-1.021e+06	4.001e+05	8.000e+04
4	60	-300.00	-4.589e+04	496.02	-3142.29	-6.757e+05	1.550e+05	1.064e+04
4	60	-225.00	-4.054e+04	678.67	-3248.34	-4.143e+05	-8.234e+04	867.78
4	60	-150.00	-3.523e+04	1244.11	-3757.98	-1.978e+05	-3.421e+05	2.633e+04

4	60	-75.00	-2.997e+04	2173.82	-4748.90	-5.856e+04	-6.573e+05	7.412e+04
4	60	0.0	-2.481e+04	2373.68	-5635.71	-2.862e+05	-1.052e+06	9.256e+04
4	71	-450.00	-5.558e+04	5603.87	-3823.30	4.054e+05	6.581e+05	3.504e+04
4	71	-375.00	-5.514e+04	4678.14	-3510.20	2.033e+05	3.831e+05	2.121e+04
4	71	-300.00	-4.975e+04	4324.17	-3048.75	1.858e+05	1.439e+05	-2.177e+04
4	71	-225.00	-4.437e+04	4508.38	-3149.93	1.741e+05	-8.570e+04	-2.777e+04
4	71	-150.00	-3.906e+04	5149.91	-3689.42	1.001e+05	-3.391e+05	-246.94
4	71	-75.00	-3.399e+04	6272.86	-4727.23	-1.366e+05	-6.514e+05	4.951e+04
4	71	0.0	-2.744e+04	8619.13	-5722.81	-5.109e+05	-1.048e+06	7.757e+04
4	77	-450.00	-4.854e+04	1.05	-1121.90	-1.375e+06	2.227e+05	2239.51
4	77	-375.00	-4.820e+04	225.03	-1432.09	-1.245e+06	1.269e+05	-1.104e+04
4	77	-300.00	-4.302e+04	333.00	-1480.95	-1.027e+06	2.197e+04	-3.174e+04
4	77	-225.00	-3.790e+04	678.52	-1748.82	-8.544e+05	-9.781e+04	-2.847e+04
4	77	-150.00	-3.282e+04	1228.65	-2233.83	-7.340e+05	-2.455e+05	-5543.13
4	77	-75.00	-2.785e+04	1981.76	-2986.66	-7.082e+05	-4.399e+05	2.996e+04
4	77	0.0	-2.222e+04	2415.91	-3976.65	-8.407e+05	-7.090e+05	5.442e+04
4	78	-450.00	-5.506e+04	1438.15	-3697.86	-1.233e+06	6.919e+05	3.959e+04
4	78	-375.00	-5.461e+04	1289.12	-3624.39	-1.148e+06	4.173e+05	1.675e+04
4	78	-300.00	-4.921e+04	984.44	-3243.43	-9.033e+05	1.666e+05	-4.487e+04
4	78	-225.00	-4.387e+04	1185.69	-3363.17	-6.838e+05	-7.845e+04	-5.677e+04
4	78	-150.00	-3.857e+04	1766.09	-3881.40	-5.137e+05	-3.474e+05	-2.691e+04
4	78	-75.00	-3.343e+04	2702.91	-4826.22	-4.608e+05	-6.716e+05	3.523e+04
4	78	0.0	-2.755e+04	3337.82	-6007.63	-6.126e+05	-1.087e+06	8.875e+04
4	80	-450.00	-5.539e+04	1423.29	-3713.17	-1.293e+06	6.953e+05	3.988e+04
4	80	-375.00	-5.493e+04	1279.67	-3642.90	-1.202e+06	4.194e+05	1.697e+04
4	80	-300.00	-4.951e+04	976.90	-3262.34	-9.487e+05	1.675e+05	-4.508e+04
4	80	-225.00	-4.414e+04	1179.10	-3383.01	-7.192e+05	-7.909e+04	-5.708e+04
4	80	-150.00	-3.883e+04	1758.46	-3901.72	-5.391e+05	-3.496e+05	-2.714e+04
4	80	-75.00	-3.366e+04	2690.96	-4845.03	-4.774e+05	-6.752e+05	3.522e+04
4	80	0.0	-2.776e+04	3322.58	-6034.05	-6.284e+05	-1.092e+06	8.896e+04
4	81	-450.00	-4.854e+04	1.05	-1121.90	-1.375e+06	2.227e+05	2239.51
4	81	-375.00	-4.820e+04	225.03	-1432.09	-1.245e+06	1.269e+05	-1.104e+04
4	81	-300.00	-4.302e+04	333.00	-1480.95	-1.027e+06	2.197e+04	-3.174e+04
4	81	-225.00	-3.790e+04	678.52	-1748.82	-8.544e+05	-9.781e+04	-2.847e+04
4	81	-150.00	-3.282e+04	1228.65	-2233.83	-7.340e+05	-2.455e+05	-5543.13
4	81	-75.00	-2.785e+04	1981.76	-2986.66	-7.082e+05	-4.399e+05	2.996e+04
4	81	0.0	-2.222e+04	2415.91	-3976.65	-8.407e+05	-7.090e+05	5.442e+04
4	82	-450.00	-5.669e+04	1797.42	-4341.85	-1.197e+06	8.092e+05	4.892e+04
4	82	-375.00	-5.621e+04	1555.14	-4172.46	-1.124e+06	4.899e+05	2.370e+04
4	82	-300.00	-5.075e+04	1147.30	-3684.05	-8.725e+05	2.028e+05	-4.816e+04
4	82	-225.00	-4.536e+04	1312.48	-3766.76	-6.411e+05	-7.361e+04	-6.384e+04
4	82	-150.00	-4.001e+04	1900.45	-4293.29	-4.586e+05	-3.729e+05	-3.225e+04
4	82	-75.00	-3.482e+04	2883.19	-5286.12	-3.989e+05	-7.295e+05	3.655e+04
4	82	0.0	-2.888e+04	3568.29	-6515.38	-5.556e+05	-1.181e+06	9.734e+04
4	84	-450.00	-5.780e+04	1747.89	-4392.88	-1.399e+06	8.206e+05	4.990e+04
4	84	-375.00	-5.727e+04	1523.65	-4234.17	-1.306e+06	4.971e+05	2.444e+04
4	84	-300.00	-5.175e+04	1122.16	-3747.09	-1.024e+06	2.055e+05	-4.883e+04
4	84	-225.00	-4.628e+04	1290.53	-3832.91	-7.593e+05	-7.574e+04	-6.490e+04
4	84	-150.00	-4.086e+04	1875.02	-4361.02	-5.434e+05	-3.800e+05	-3.301e+04
4	84	-75.00	-3.560e+04	2843.36	-5348.82	-4.543e+05	-7.416e+05	3.651e+04
4	84	0.0	-2.959e+04	3517.51	-6603.42	-6.082e+05	-1.199e+06	9.802e+04

M_S
N memb.
V memb.
V orto
M memb.
M orto
T

-7.710e+04	-2947.18	-9118.61	-3.815e+06	-1.659e+06	-2.139e+05
-2.099e+04	1.548e+04	-1116.80	2.605e+06	1.188e+06	1.616e+05

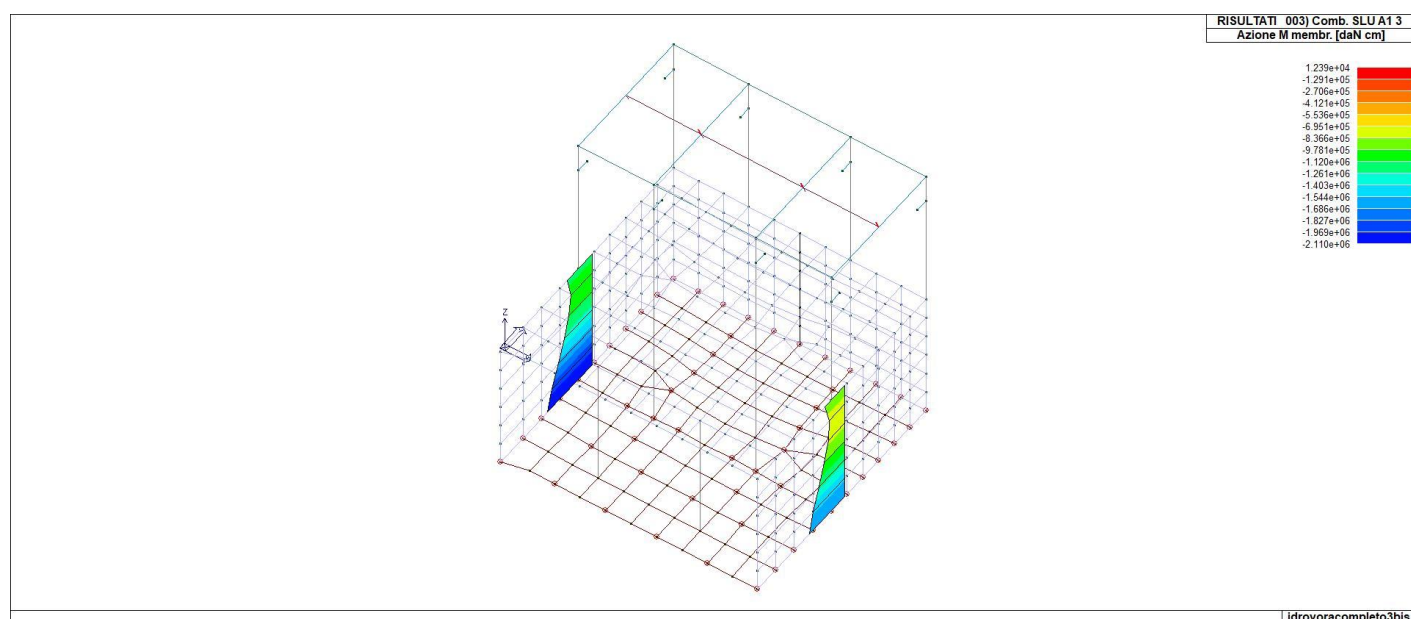
Macro	Tipo	Angolo 1-Z (gradi)
5	Setto	0.0

M_S
Cmb
Z
N memb.
V memb.
V orto
M memb.
M orto
T

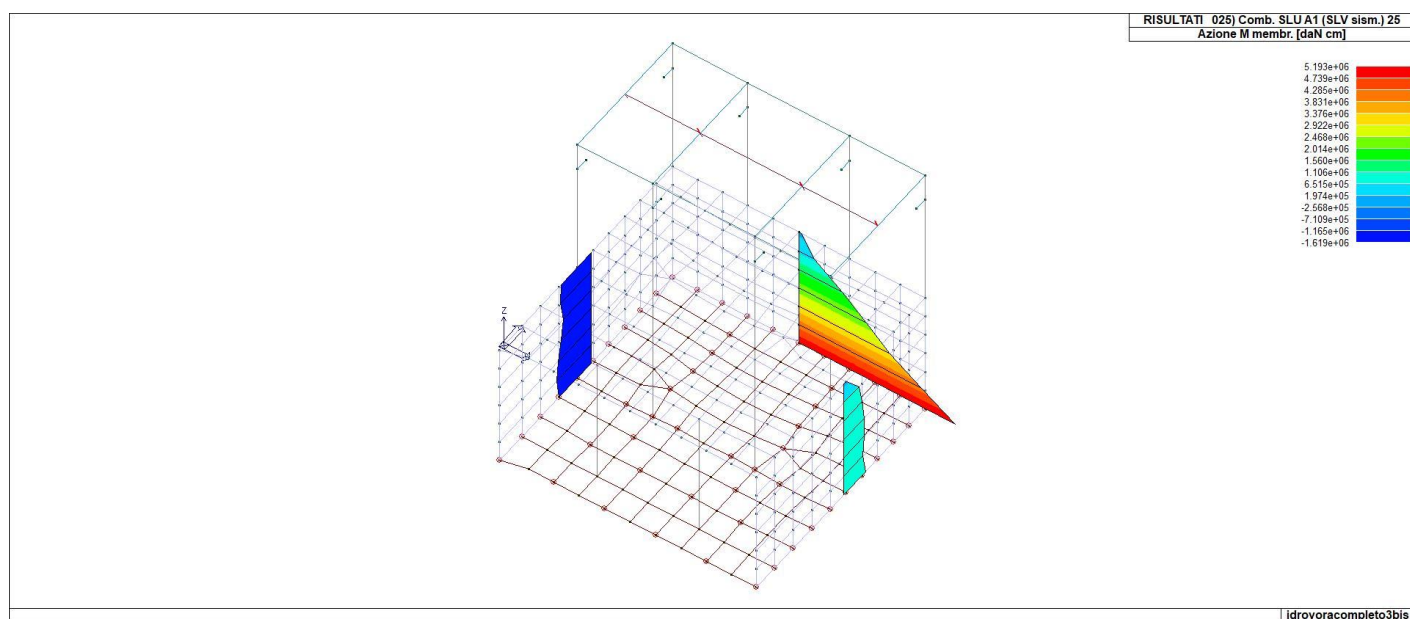
		cm	daN	daN	daN	daN cm	daN cm	daN cm
5	4	-450.00	-9.543e+04	-303.93	5865.57	-1.636e+05	-8.064e+05	7807.85
5	4	-375.00	-9.682e+04	-303.85	5131.88	-1.632e+05	-3.940e+05	1.327e+04
5	4	-300.00	-9.311e+04	-289.35	3889.83	-1.485e+05	-7.828e+04	1.183e+04
5	4	-225.00	-8.925e+04	-282.23	4263.09	-1.268e+05	2.191e+05	1.173e+04
5	4	-150.00	-8.526e+04	-277.86	5798.32	-1.039e+05	5.890e+05	1.169e+04
5	4	-75.00	-8.084e+04	-238.36	8351.03	-8.970e+04	1.117e+06	1.190e+04
5	4	0.0	-7.009e+04	-29.90	1.171e+04	-1.397e+05	1.903e+06	1.401e+04
5	5	-450.00	-6.167e+04	-118.51	250.11	9023.40	1.488e+04	1738.44
5	5	-375.00	-6.233e+04	-110.46	692.57	5603.30	5.023e+04	2968.42
5	5	-300.00	-5.871e+04	-103.21	904.40	6514.09	1.005e+05	2717.32
5	5	-225.00	-5.497e+04	-99.70	1593.16	8130.76	1.913e+05	2704.43

5	5	-150.00	-5.113e+04	-99.85	2693.49	9429.54	3.492e+05	2685.82
5	5	-75.00	-4.709e+04	-102.94	4202.41	9441.31	6.070e+05	2592.89
5	5	0.0	-3.961e+04	-100.77	5990.37	6435.86	1.010e+06	1822.27
5	22	-450.00	-7.144e+04	-1.470e+04	1799.10	5.187e+06	-3.030e+05	4.753e+04
5	22	-375.00	-7.241e+04	-1.075e+04	2557.66	4.072e+06	-1.396e+05	-1.533e+05
5	22	-300.00	-6.932e+04	-1.086e+04	1991.48	3.022e+06	1.208e+04	-9.565e+04
5	22	-225.00	-6.599e+04	-1.076e+04	2416.19	2.232e+06	1.722e+05	-9.171e+04
5	22	-150.00	-6.261e+04	-1.075e+04	3499.33	1.442e+06	3.901e+05	-9.162e+04
5	22	-75.00	-5.908e+04	-1.106e+04	5114.50	5.017e+05	7.135e+05	-9.255e+04
5	22	0.0	-5.062e+04	-1.831e+04	7804.42	1.001e+05	1.227e+06	-7.761e+04
5	28	-450.00	-7.147e+04	1.427e+04	1804.50	-5.362e+06	-3.040e+05	-3.667e+04
5	28	-375.00	-7.242e+04	1.034e+04	2563.22	-4.250e+06	-1.402e+05	1.699e+05
5	28	-300.00	-6.931e+04	1.046e+04	1995.07	-3.186e+06	1.182e+04	1.108e+05
5	28	-225.00	-6.596e+04	1.038e+04	2418.61	-2.373e+06	1.722e+05	1.067e+05
5	28	-150.00	-6.253e+04	1.037e+04	3500.34	-1.560e+06	3.902e+05	1.066e+05
5	28	-75.00	-5.895e+04	1.072e+04	5112.08	-6.092e+05	7.136e+05	1.077e+05
5	28	0.0	-5.057e+04	1.818e+04	7819.43	-2.597e+05	1.227e+06	9.466e+04
5	32	-450.00	-7.880e+04	3547.53	-1601.60	-1.639e+06	255.94	4.018e+04
5	32	-375.00	-7.989e+04	2652.54	1567.49	-1.357e+06	-1023.90	5.452e+04
5	32	-300.00	-7.693e+04	2700.42	1086.18	-1.114e+06	7.011e+04	4.900e+04
5	32	-225.00	-7.346e+04	2693.42	1550.27	-9.177e+05	1.643e+05	4.871e+04
5	32	-150.00	-7.000e+04	2697.21	2451.89	-7.338e+05	3.125e+05	4.882e+04
5	32	-75.00	-6.670e+04	2797.75	3537.64	-5.442e+05	5.434e+05	4.972e+04
5	32	0.0	-5.693e+04	4465.22	7174.65	-3.995e+05	9.845e+05	4.911e+04
5	35	-450.00	-5.783e+04	4553.89	8125.35	-1.682e+06	-8.680e+05	-3.984e+04
5	35	-375.00	-5.855e+04	3187.02	4407.33	-1.314e+06	-3.980e+05	5.733e+04
5	35	-300.00	-5.517e+04	3227.02	3679.88	-9.352e+05	-9.616e+04	3.056e+04
5	35	-225.00	-5.206e+04	3195.08	4029.37	-6.450e+05	1.868e+05	2.866e+04
5	35	-150.00	-4.875e+04	3190.83	5447.11	-3.460e+05	5.344e+05	2.850e+04
5	35	-75.00	-4.470e+04	3323.11	8038.81	1.335e+04	1.030e+06	2.855e+04
5	35	0.0	-3.882e+04	6061.77	9003.90	5.820e+04	1.678e+06	2.340e+04
5	54	-450.00	-6.968e+04	-6516.55	2623.99	2.213e+06	-3.767e+05	2.336e+04
5	54	-375.00	-7.061e+04	-4796.07	2799.65	1.733e+06	-1.733e+05	-6.230e+04
5	54	-300.00	-6.747e+04	-4834.79	2212.08	1.273e+06	-2061.89	-3.765e+04
5	54	-225.00	-6.417e+04	-4790.96	2626.78	9.356e+05	1.741e+05	-3.597e+04
5	54	-150.00	-6.079e+04	-4783.79	3753.22	5.985e+05	4.089e+05	-3.595e+04
5	54	-75.00	-5.718e+04	-4908.50	5494.82	1.932e+05	7.548e+05	-3.631e+04
5	54	0.0	-4.907e+04	-8004.19	7963.85	2673.48	1.286e+06	-2.929e+04
5	60	-450.00	-6.969e+04	6107.14	2626.35	-2.384e+06	-3.772e+05	-1.333e+04
5	60	-375.00	-7.061e+04	4394.64	2802.07	-1.900e+06	-1.736e+05	7.853e+04
5	60	-300.00	-6.747e+04	4453.79	2213.65	-1.432e+06	-2174.86	5.229e+04
5	60	-225.00	-6.416e+04	4420.02	2627.83	-1.071e+06	1.741e+05	5.049e+04
5	60	-150.00	-6.075e+04	4417.34	3753.66	-7.094e+05	4.089e+05	5.042e+04
5	60	-75.00	-5.713e+04	4581.76	5493.77	-2.908e+05	7.548e+05	5.095e+04
5	60	0.0	-4.905e+04	7895.71	7970.38	-1.541e+05	1.286e+06	4.577e+04
5	64	-450.00	-7.288e+04	1434.09	1142.21	-7.618e+05	-2.446e+05	2.015e+04
5	64	-375.00	-7.386e+04	1045.50	2368.21	-6.394e+05	-1.130e+05	2.825e+04
5	64	-300.00	-7.079e+04	1071.95	1817.62	-5.288e+05	2.322e+04	2.537e+04
5	64	-225.00	-6.743e+04	1071.64	2249.47	-4.366e+05	1.707e+05	2.521e+04
5	64	-150.00	-6.401e+04	1074.58	3296.82	-3.494e+05	3.751e+05	2.525e+04
5	64	-75.00	-6.050e+04	1129.76	4807.74	-2.625e+05	6.806e+05	2.568e+04
5	64	0.0	-5.182e+04	1919.44	7689.43	-2.150e+05	1.180e+06	2.592e+04
5	67	-450.00	-6.375e+04	1872.59	5380.52	-7.804e+05	-6.229e+05	-1.471e+04
5	67	-375.00	-6.457e+04	1278.39	3605.61	-6.209e+05	-2.860e+05	2.948e+04
5	67	-300.00	-6.131e+04	1301.41	2947.77	-4.100e+05	-4.922e+04	1.734e+04
5	67	-225.00	-5.810e+04	1290.23	3329.69	-3.178e+05	1.805e+05	1.648e+04
5	67	-150.00	-5.475e+04	1289.67	4601.92	-1.804e+05	4.718e+05	1.639e+04
5	67	-75.00	-5.092e+04	1358.67	6769.03	-1.956e+04	8.926e+05	1.646e+04
5	67	0.0	-4.393e+04	2615.10	8486.49	-1.560e+04	1.482e+06	1.472e+04
5	77	-450.00	-6.196e+04	-118.61	239.40	9022.05	1.645e+04	1740.34
5	77	-375.00	-6.262e+04	-110.55	685.47	5599.55	5.113e+04	2971.72
5	77	-300.00	-5.902e+04	-103.29	898.56	6511.98	1.009e+05	2720.34
5	77	-225.00	-5.529e+04	-99.78	1587.96	8131.60	1.913e+05	2707.45
5	77	-150.00	-5.147e+04	-99.93	2687.59	9433.81	3.488e+05	2688.83
5	77	-75.00	-4.744e+04	-103.02	4193.63	9448.32	6.060e+05	2595.80
5	77	0.0	-3.992e+04	-100.86	5989.21	6441.16	1.008e+06	1824.30
5	80	-450.00	-6.831e+04	-197.91	3260.97	-8.445e+04	-4.337e+05	4687.37
5	80	-375.00	-6.921e+04	-195.45	2986.52	-8.532e+04	-1.994e+05	7971.70
5	80	-300.00	-6.605e+04	-185.55	2382.44	-7.718e+04	-1.298e+04	7129.38
5	80	-225.00	-6.277e+04	-180.70	2789.39	-6.512e+04	1.756e+05	7068.25
5	80	-150.00	-5.938e+04	-178.41	3949.27	-5.254e+04	4.234e+05	7043.80
5	80	-75.00	-5.572e+04	-158.27	5788.50	-4.498e+04	7.866e+05	7126.13
5	80	0.0	-4.788e+04	-46.41	8086.95	-7.258e+04	1.331e+06	8021.34
5	81	-450.00	-6.196e+04	-118.61	239.40	9022.05	1.645e+04	1740.34
5	81	-375.00	-6.262e+04	-110.55	685.47	5599.55	5.113e+04	2971.72
5	81	-300.00	-5.902e+04	-103.29	898.56	6511.98	1.009e+05	2720.34
5	81	-225.00	-5.529e+04	-99.78	1587.96	8131.60	1.913e+05	2707.45

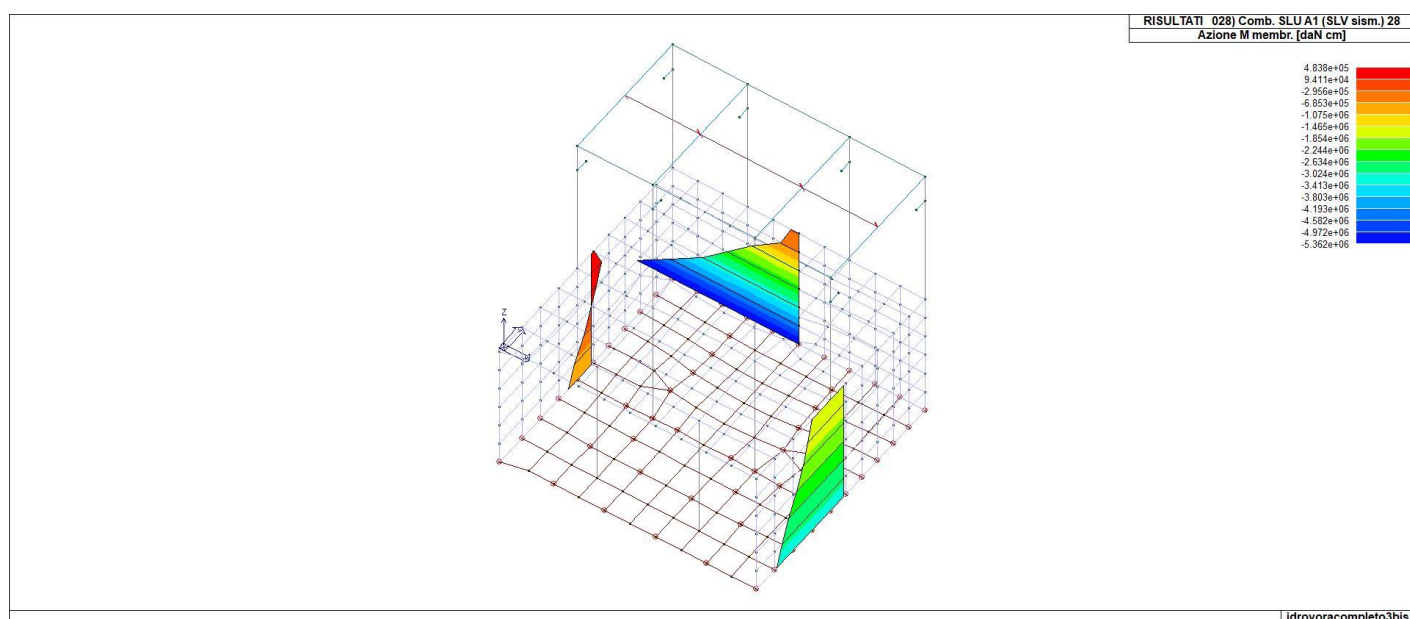
5	81	-150.00	-5.147e+04	-99.93	2687.59	9433.81	3.488e+05	2688.83
5	81	-75.00	-4.744e+04	-103.02	4193.63	9448.32	6.060e+05	2595.80
5	81	0.0	-3.992e+04	-100.86	5989.21	6441.16	1.008e+06	1824.30
5	84	-450.00	-7.169e+04	-218.37	3949.44	-1.078e+05	-5.364e+05	5436.01
5	84	-375.00	-7.270e+04	-217.24	3517.38	-1.081e+05	-2.564e+05	9242.35
5	84	-300.00	-6.974e+04	-206.62	2716.92	-9.811e+04	-3.899e+04	8250.51
5	84	-225.00	-6.666e+04	-201.41	3057.26	-8.343e+04	1.716e+05	8177.29
5	84	-150.00	-6.348e+04	-198.51	4227.82	-6.800e+04	4.395e+05	8151.33
5	84	-75.00	-5.999e+04	-172.59	6132.36	-5.854e+04	8.259e+05	8276.92
5	84	0.0	-5.184e+04	-33.33	8604.12	-9.230e+04	1.404e+06	9583.29
M_S			N memb.	V memb.	V orto	M memb.	M orto	T
			-9.682e+04	-1.831e+04	-1601.60	-5.362e+06	-8.680e+05	-1.533e+05
			-3.882e+04	1.818e+04	1.171e+04	5.187e+06	1.903e+06	1.699e+05



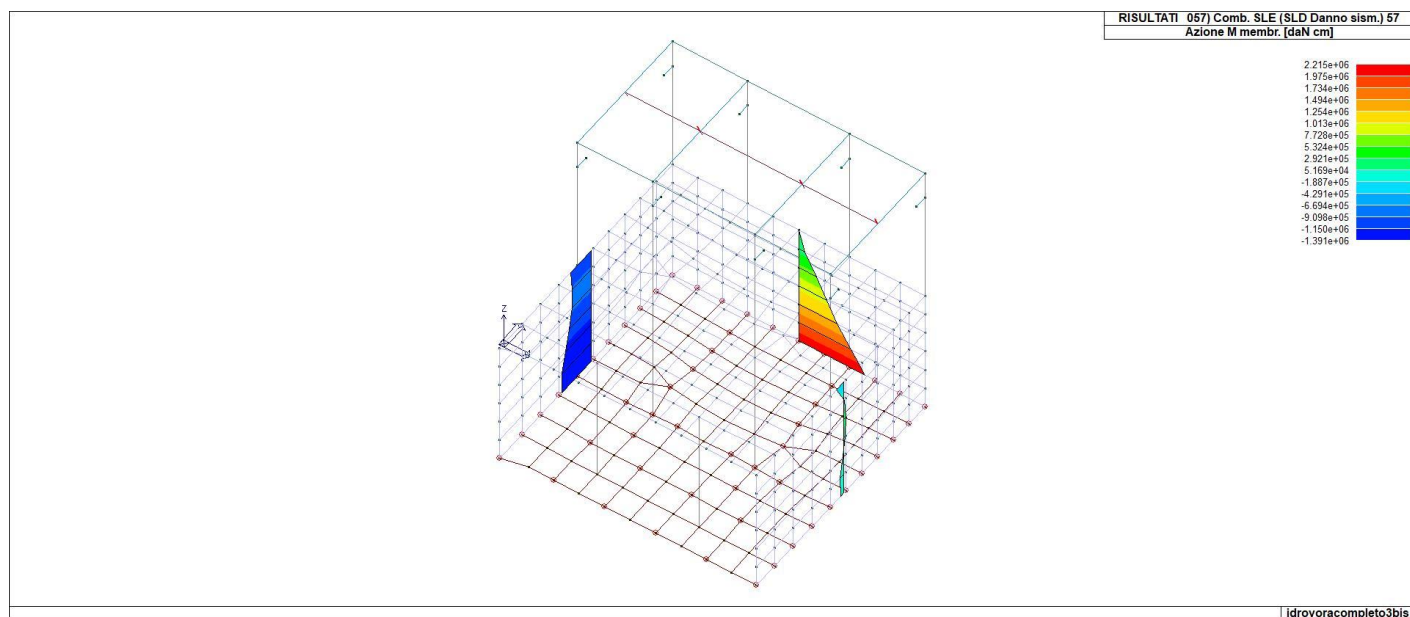
47_RIS_M_003_Comb. SLU A1 3



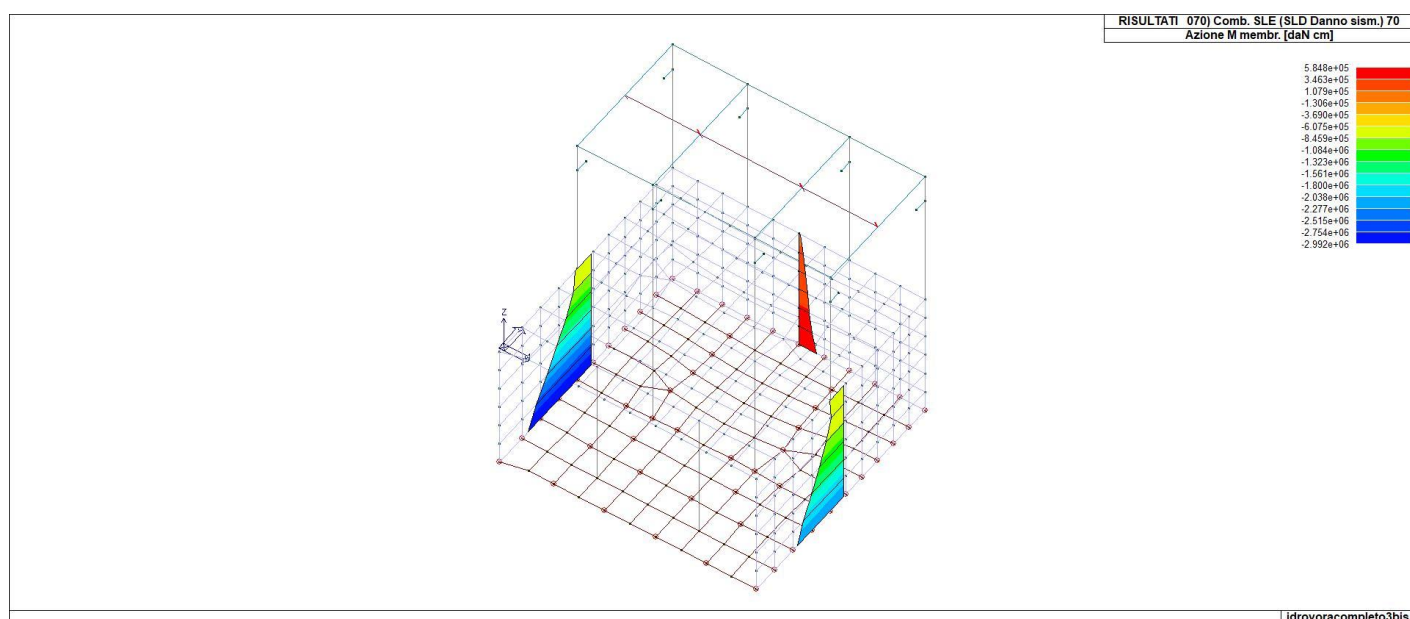
47_RIS_M_025_Comb. SLU A1 (SLV sism.) 25



47_RIS_M_028_Comb. SLU A1 (SLV sism.) 28

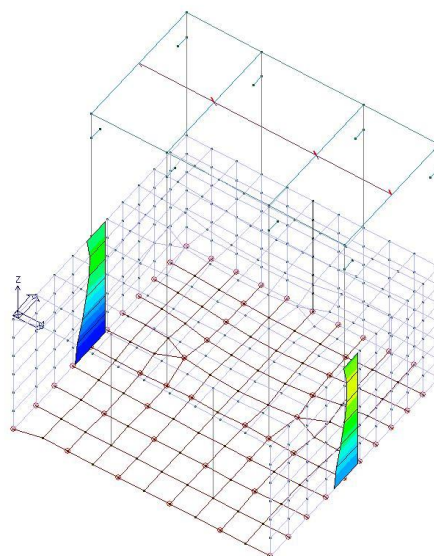


47_RIS_M_057_Comb. SLE (SLD Danno sism.) 57



47_RIS_M_070_Comb. SLE (SLD Danno sism.) 70

RISULTATI 079) Comb. SLE(perm.) 79
Azione M membr. [daN cm]

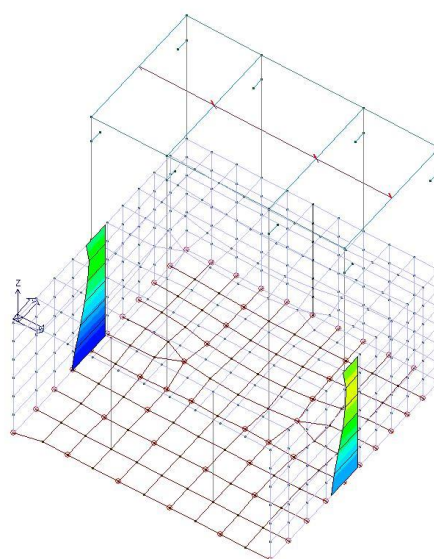


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-8.684e+04
-1.831e+05
-2.795e+05
-3.758e+05
-4.721e+05
-5.684e+05
-6.647e+05
-7.610e+05
-8.573e+05
-9.536e+05
-1.050e+06
-1.146e+06
-1.243e+06
-1.339e+06
-1.435e+06

idrovoracompleto3bis

47_RIS_M_079_Comb. SLE(perm.) 79

RISULTATI 083) Comb. SLE(rara) 83
Azione M membr. [daN cm]

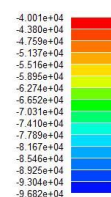
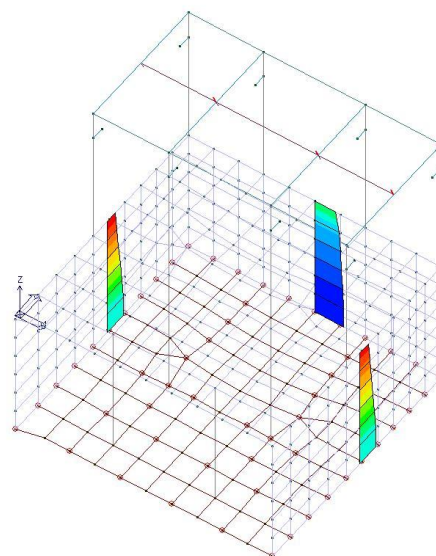


9518.43
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-2.020e+05
-3.077e+05
-4.134e+05
-5.192e+05
-6.249e+05
-7.307e+05
-8.364e+05
-9.421e+05
-1.048e+06
-1.154e+06
-1.259e+06
-1.365e+06
-1.471e+06
-1.577e+06

idrovoracompleto3bis

47_RIS_M_083_Comb. SLE(rara) 83

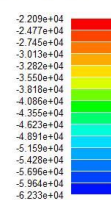
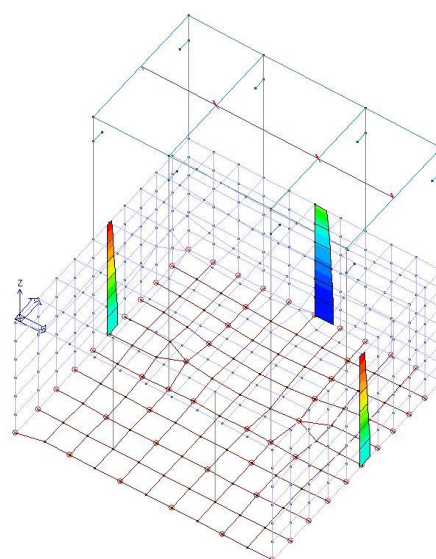
RISULTATI 004) Comb. SLU A1 4
Azione N membr. [daN]



idrovoracompleto3bis

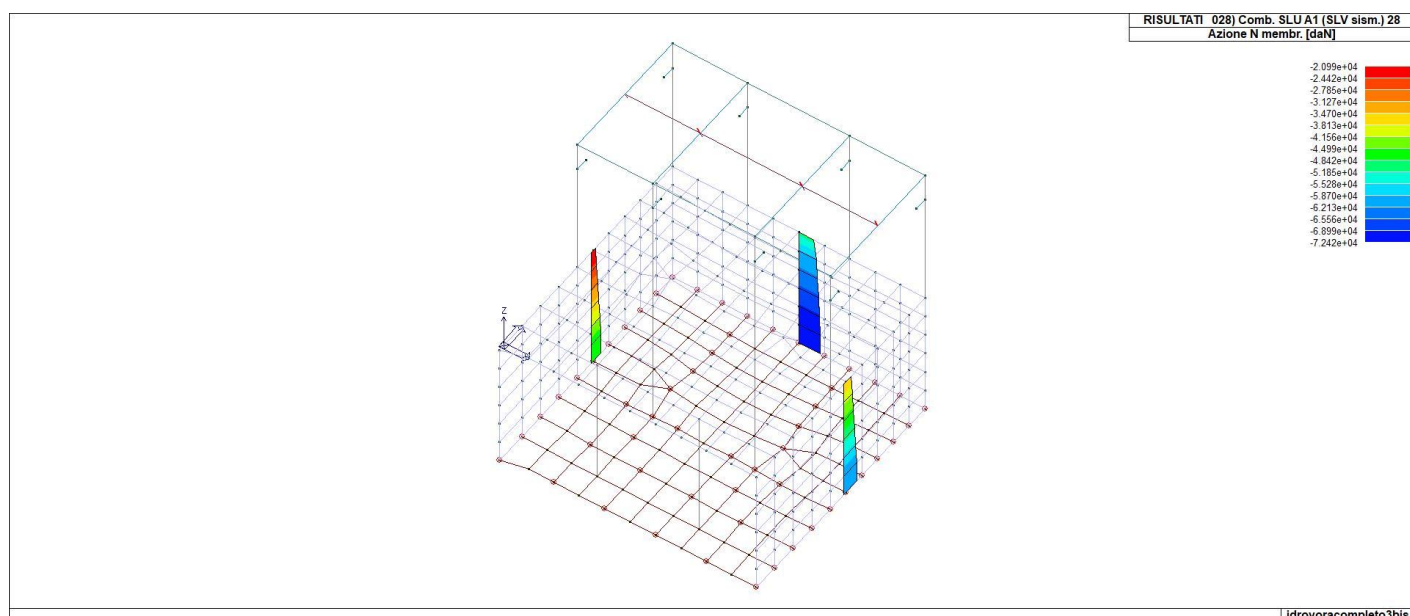
47_RIS_N_004_Comb. SLU A1 4

RISULTATI 005) Comb. SLU A1 5
Azione N membr. [daN]

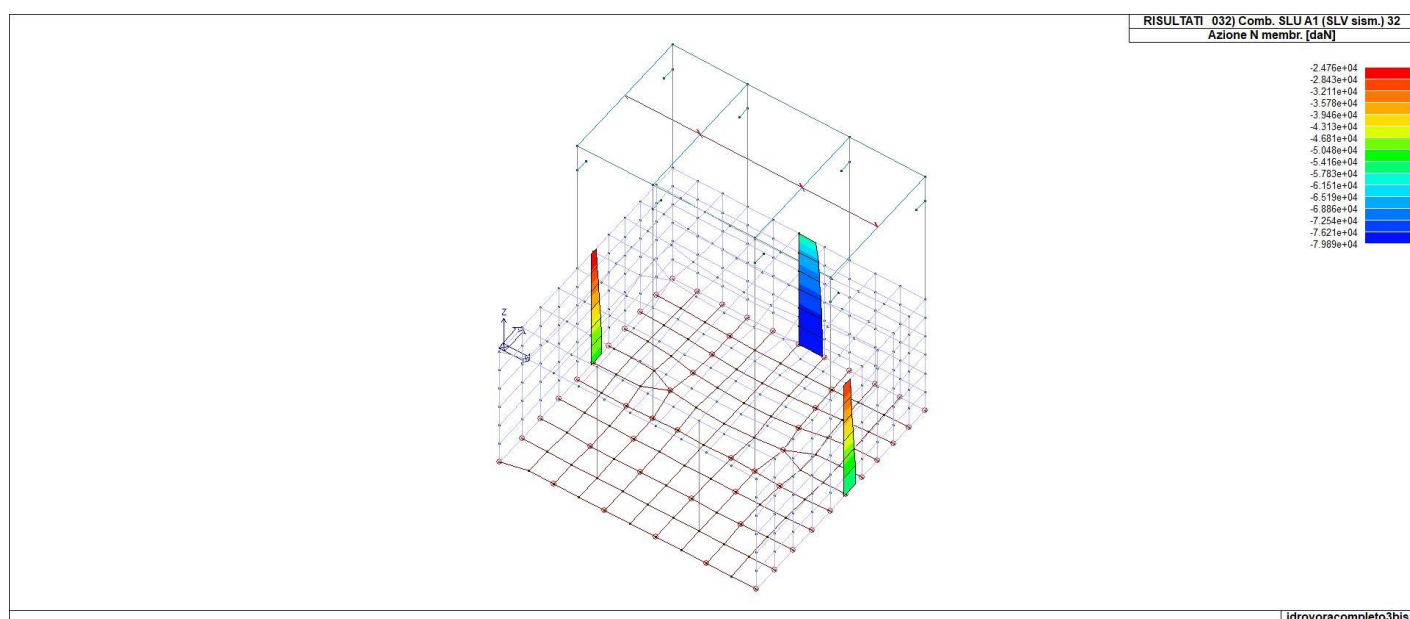


idrovoracompleto3bis

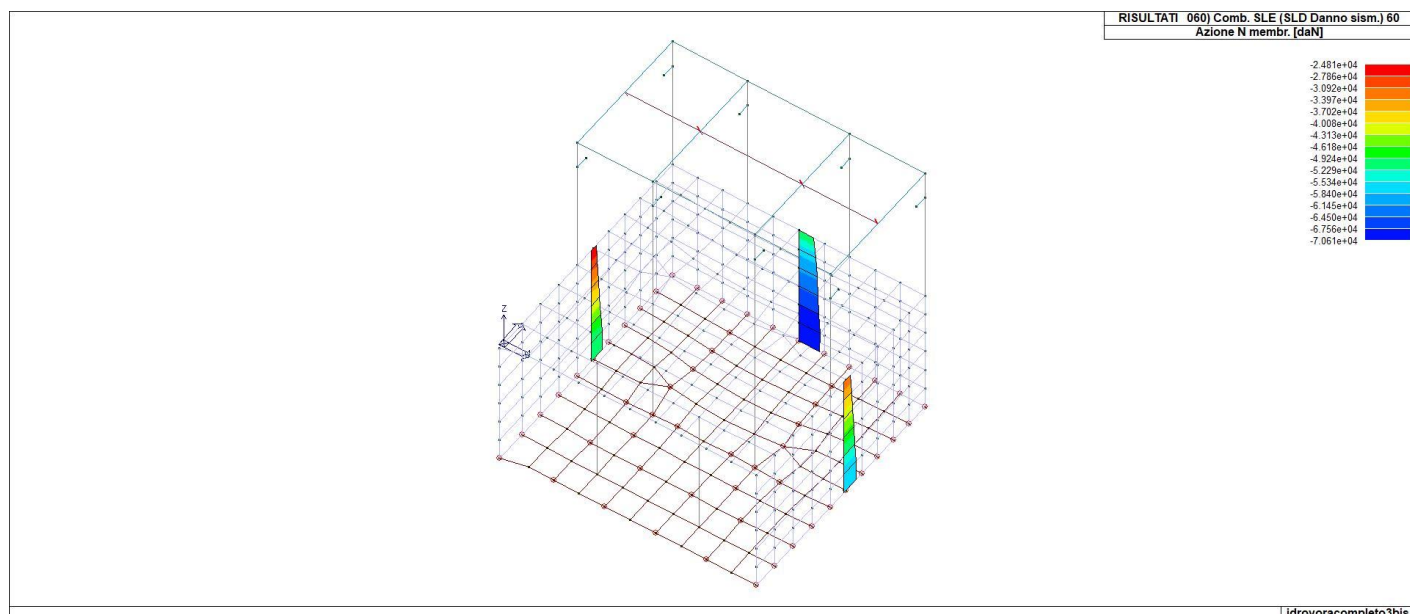
47_RIS_N_005_Comb. SLU A1 5



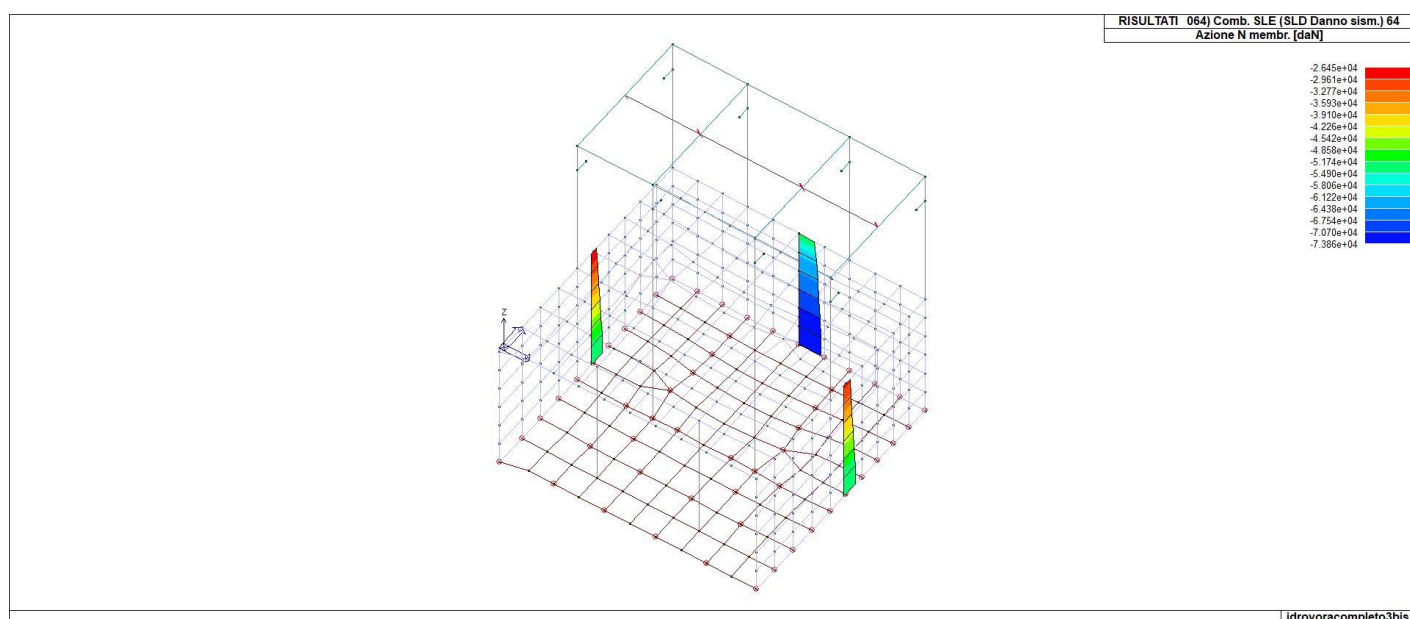
47_RIS_N_028_Comb. SLU A1 (SLV sism.) 28



47_RIS_N_032_Comb. SLU A1 (SLV sism.) 32

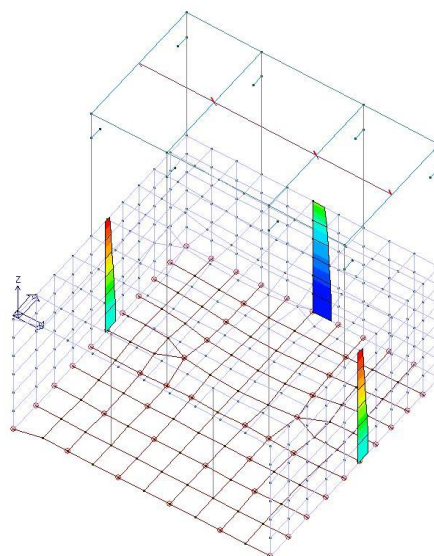


47_RIS_N_060_Comb. SLE (SLD Danno sism.) 60



47_RIS_N_064_Comb. SLE (SLD Danno sism.) 64

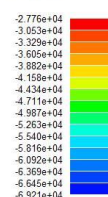
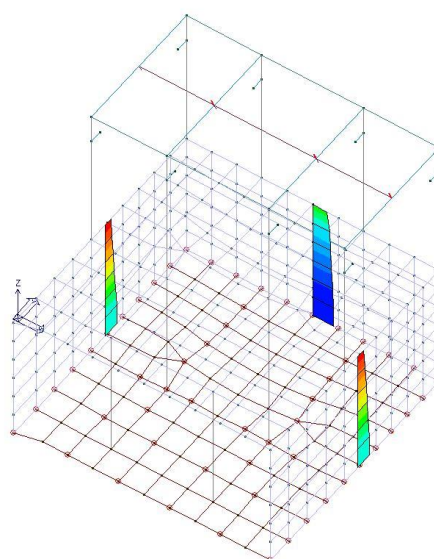
RISULTATI 077) Comb. SLE(per.) 77
Azione N membr. [daN]



idrovoracompleto3bis

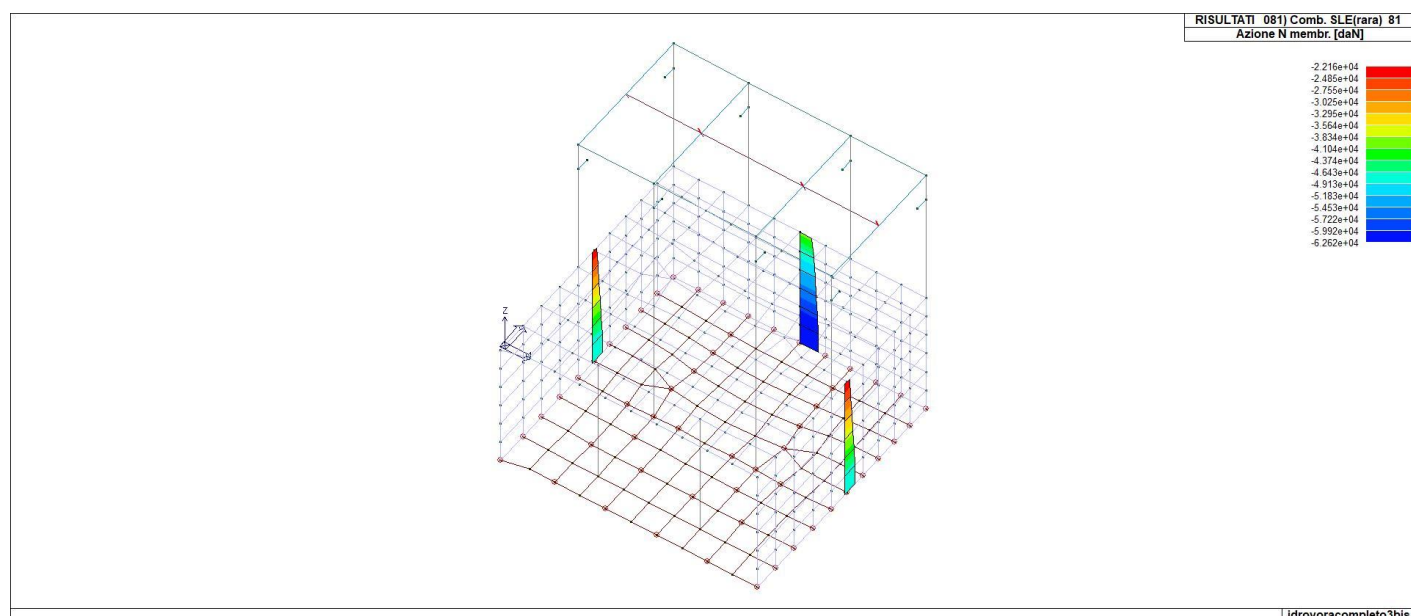
47_RIS_N_077_Comb. SLE(per.) 77

RISULTATI 080) Comb. SLE(per.) 80
Azione N membr. [daN]

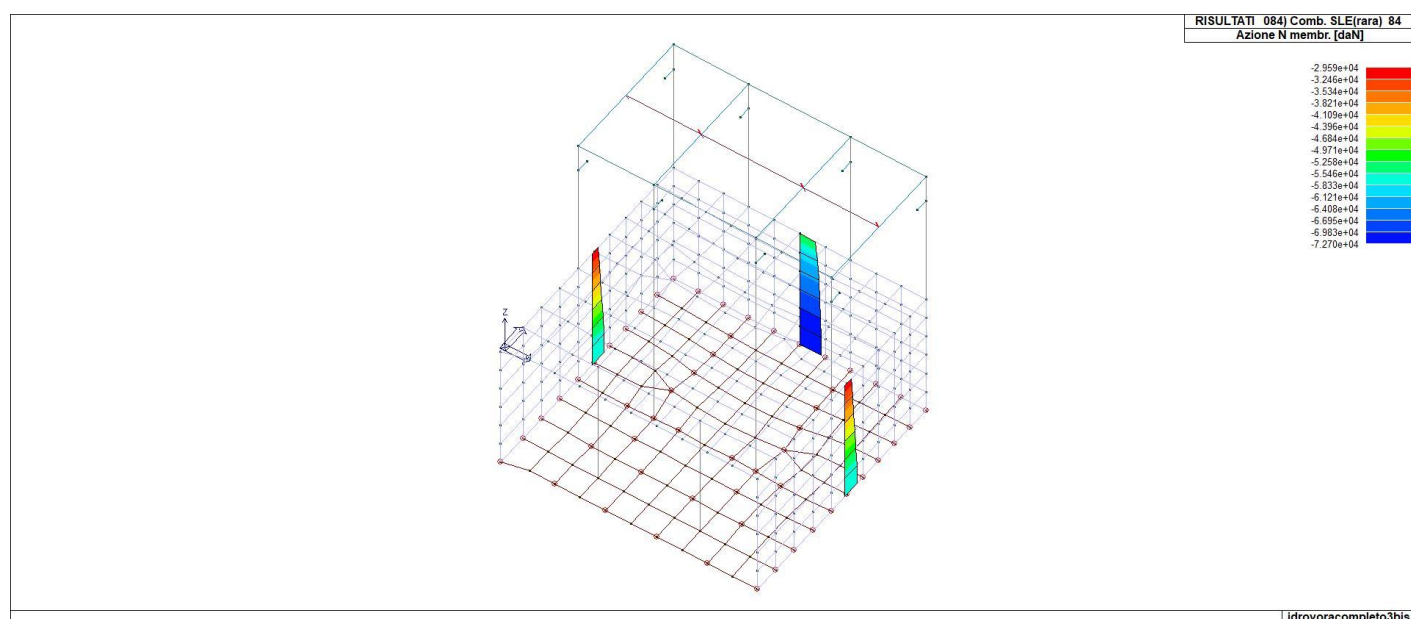


idrovoracompleto3bis

47_RIS_N_080_Comb. SLE(per.) 80

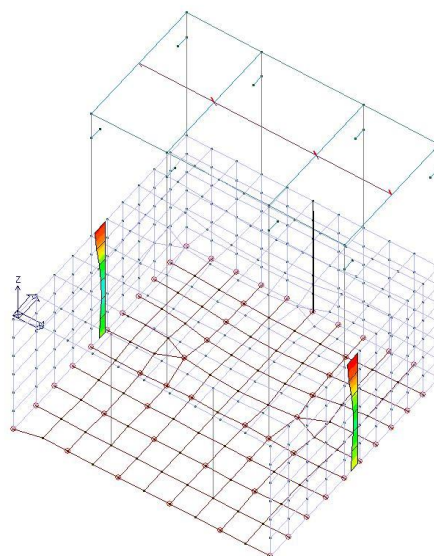


47_RIS_N_081_Comb. SLE(rara) 81



47_RIS_N_084_Comb. SLE(rara) 84

RISULTATI 002) Comb. SLU A1 2
Azione V membr. [daN]

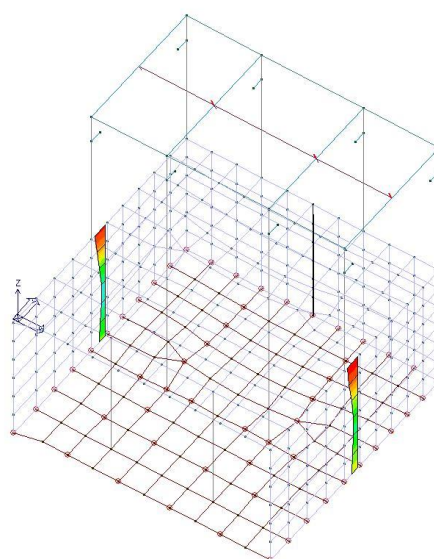


5081.89
4722.93
4363.97
4005.02
3646.06
3287.10
2928.14
2569.18
2210.22
1851.27
1492.31
1133.35
774.39
415.43
56.47
-302.49

idrovoracompleto3bis

47_RIS_V_002_Comb. SLU A1 2

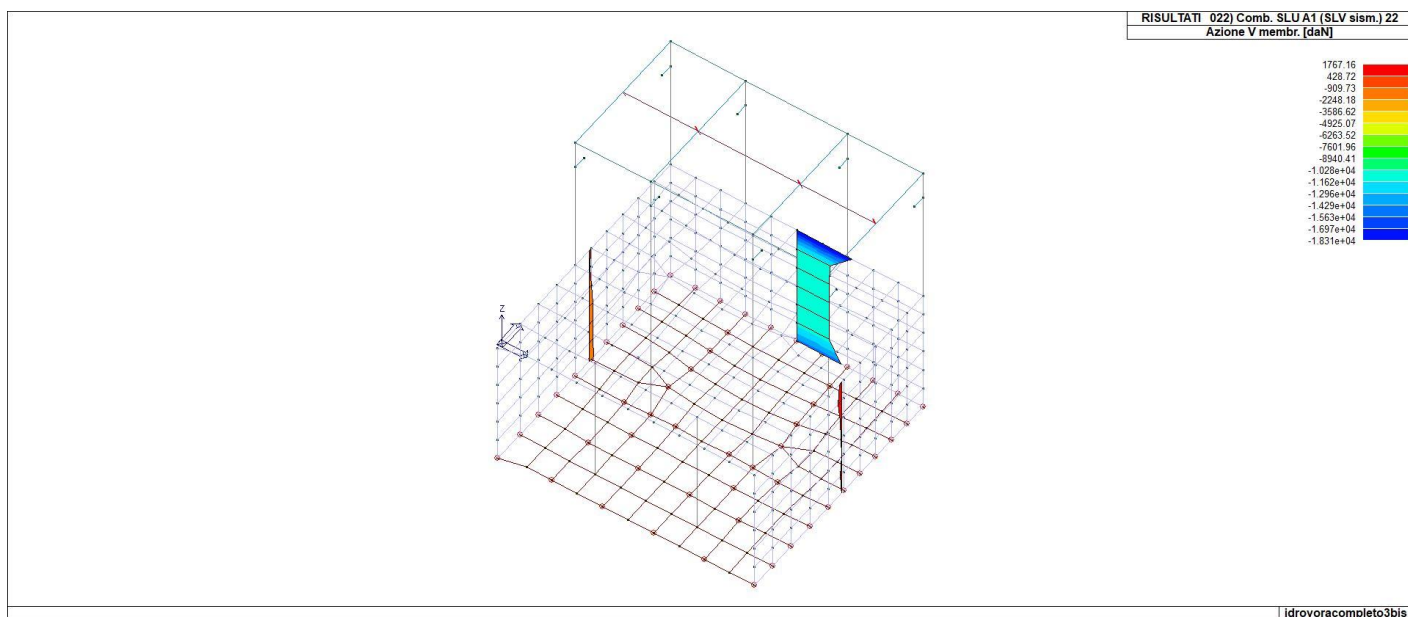
RISULTATI 004) Comb. SLU A1 4
Azione V membr. [daN]



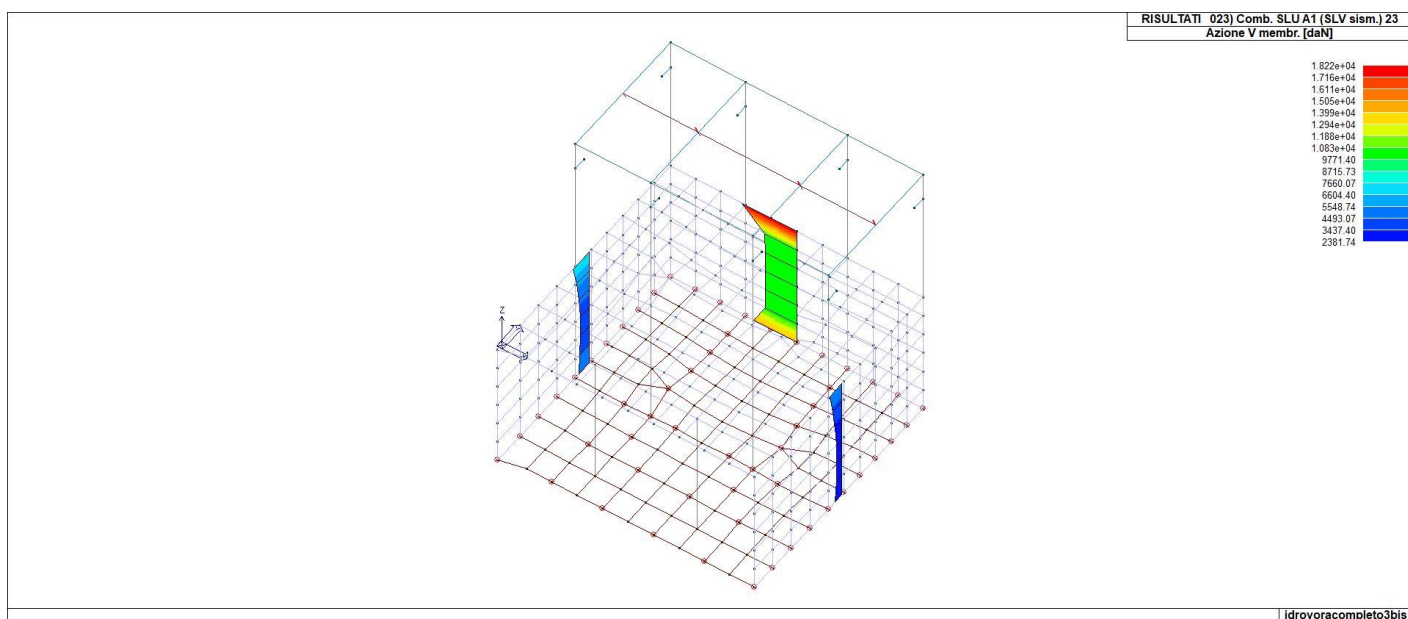
5007.48
4653.38
4299.29
3945.20
3591.10
3237.01
2882.91
2528.82
2174.73
1820.63
1466.54
1112.45
758.35
404.26
50.17
-303.93

idrovoracompleto3bis

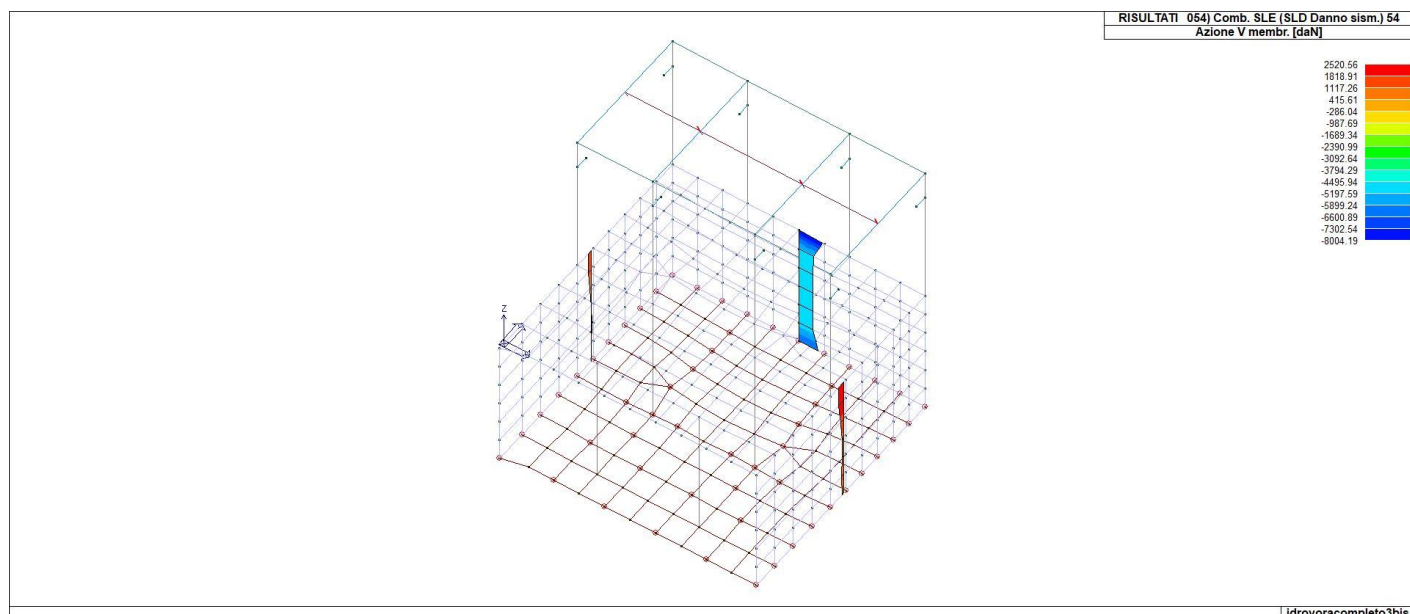
47_RIS_V_004_Comb. SLU A1 4



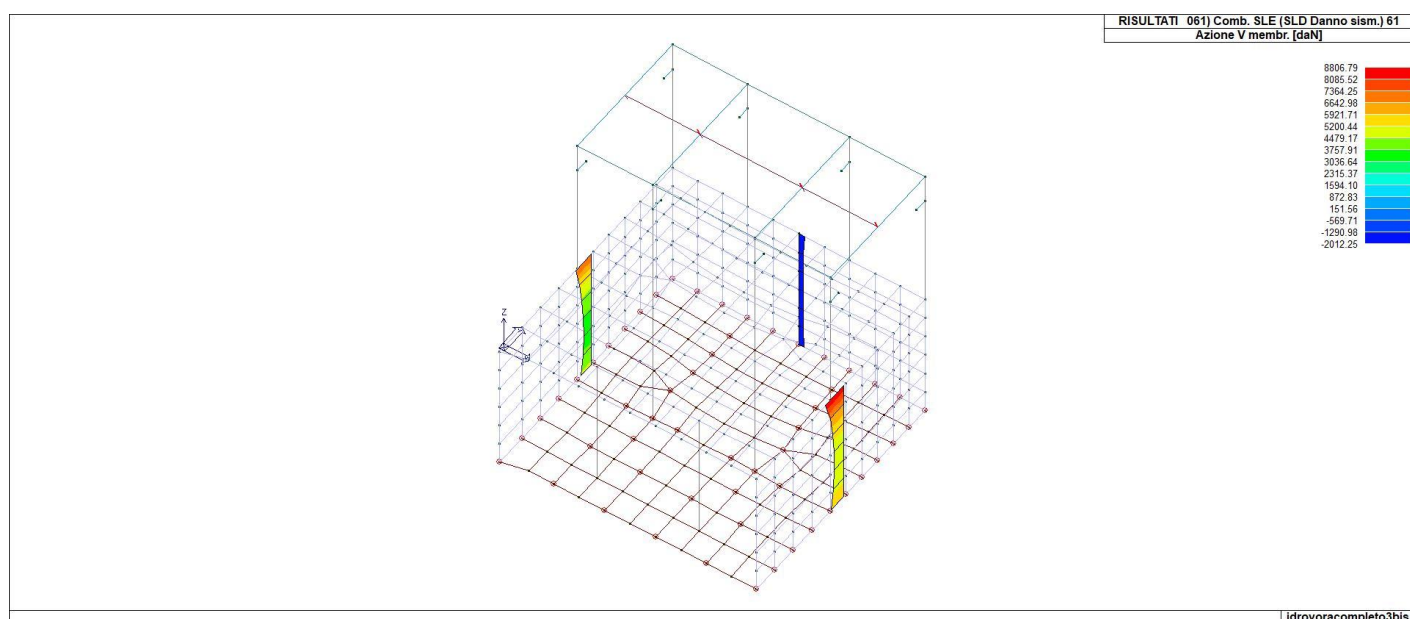
47_RIS_V_022_Comb. SLU A1 (SLV sism.) 22



47_RIS_V_023_Comb. SLU A1 (SLV sism.) 23

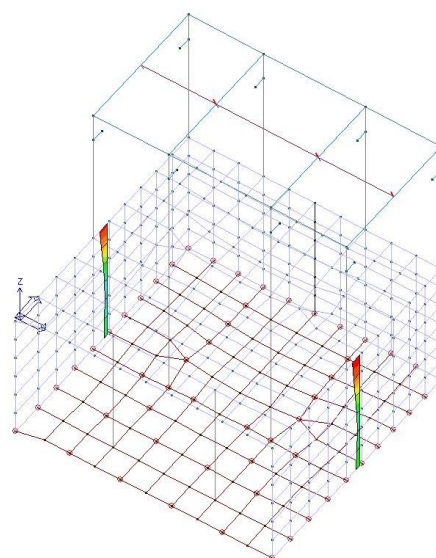


47_RIS_V_054_Comb. SLE (SLD Danno sism.) 54



47_RIS_V_061_Comb. SLE (SLD Danno sism.) 61

RISULTATI 078) Comb. SLE(perm.) 78
Azione V membr. [daN]

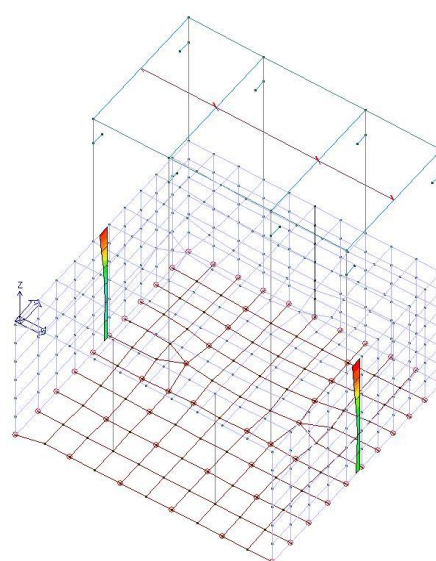


3493.67
3247.59
3001.50
2755.42
2509.33
2263.25
2017.16
1771.08
1524.99
1278.90
1032.82
786.73
540.65
294.56
48.48
-197.61

idrovoracompleto3bis

47_RIS_V_078_Comb. SLE(perm.) 78

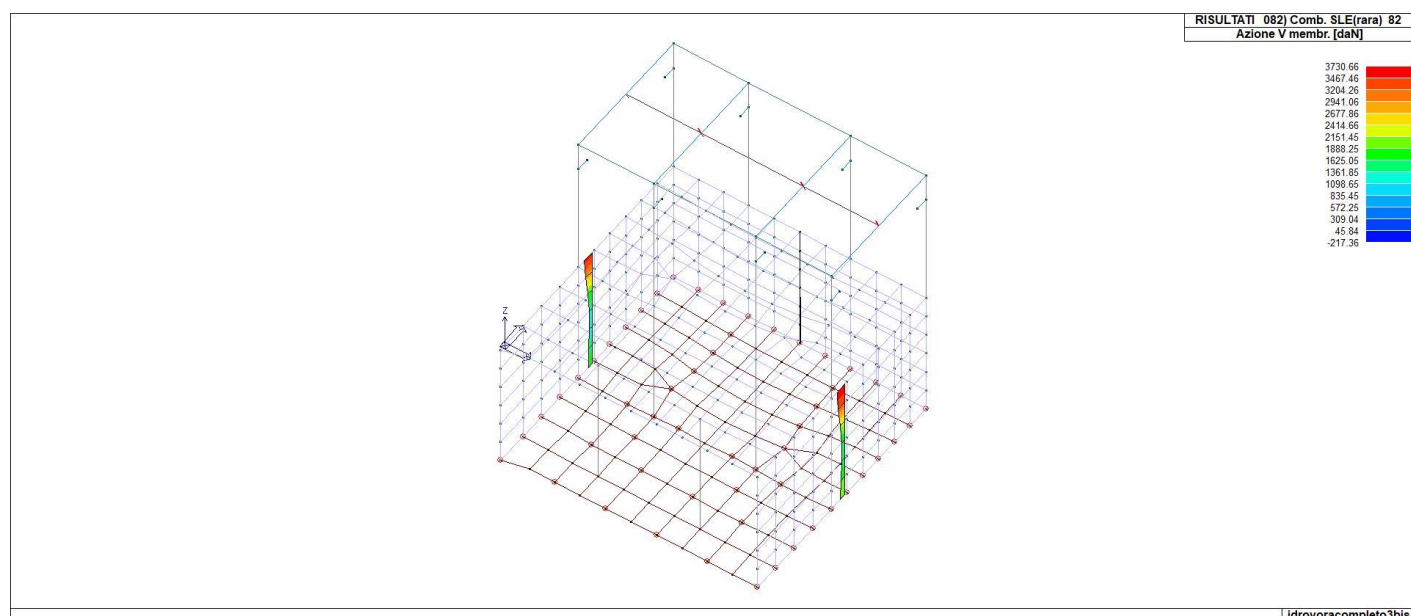
RISULTATI 080) Comb. SLE(perm.) 80
Azione V membr. [daN]



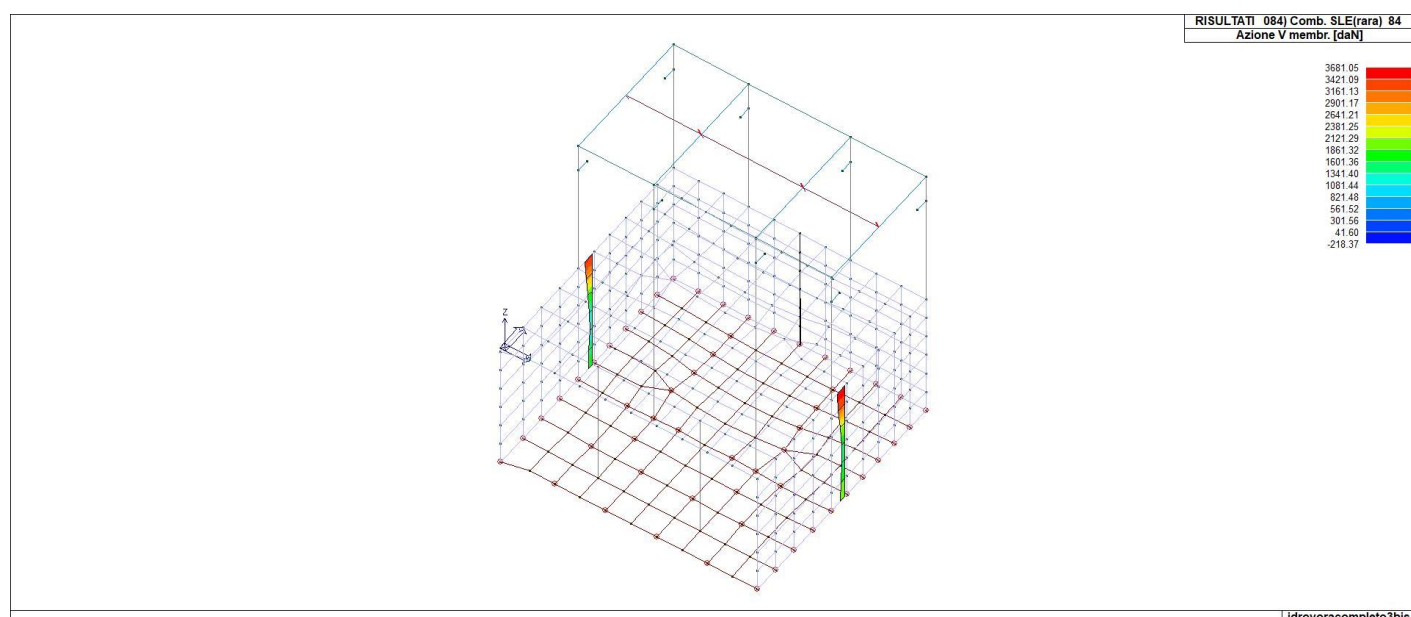
3478.79
3233.68
2988.56
2743.45
2498.34
2253.22
2008.11
1763.00
1517.88
1272.77
1027.66
782.54
537.43
292.32
47.20
-197.91

idrovoracompleto3bis

47_RIS_V_080_Comb. SLE(perm.) 80



47_RIS_V_082_Comb. SLE(rara) 82



47_RIS_V_084_Comb. SLE(rara) 84

Macro	Tipo	Angolo 1-X (gradi)
1	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
1	4	1	3.59	-16.25	3.59	-16.25	8.97e-02	3753.43	669.19	3739.76	682.85	204.84
1	4	3	43.78	-36.58	-2.21	9.41	-39.76	909.78	-279.50	342.94	287.34	-593.99
1	4	5	17.34	-49.60	-49.56	17.29	1.70	5315.75	744.06	839.40	5220.41	-653.28
1	4	7	11.82	-40.36	-40.25	11.71	-2.31	4922.33	685.04	795.77	4811.60	675.96
1	4	9	72.53	-41.70	8.04	22.79	56.63	958.04	-385.67	311.83	260.55	671.36
1	4	11	-0.81	-11.79	-9.49	-3.12	4.47	3570.18	3431.69	3438.35	3563.52	-29.63

1	4	13	2.46	-14.83	2.41	-14.78	-0.92	3625.45	634.49	3611.38	648.56	-204.67
1	4	15	-2.25	-11.19	-9.43	-4.01	-3.55	3257.35	3055.25	3065.64	3246.97	44.63
1	4	22	1.89	-1.31	0.95	-0.37	1.46	1014.44	-1099.78	1006.94	-1092.28	-125.71
1	4	25	2.44	-1.00	1.89	-0.45	-1.26	989.11	-1103.17	983.94	-1097.99	103.96
1	4	31	-5.70	-13.37	-11.71	-7.36	3.16	-1919.80	-3110.14	-2065.12	-2964.83	389.69
1	4	32	-1.84	-14.38	-11.39	-4.84	5.35	-1407.80	-2687.27	-1563.37	-2531.69	418.15
1	4	33	-4.77	-15.37	-13.01	-7.13	4.41	-1369.59	-3313.32	-1859.19	-2823.72	843.77
1	4	34	-8.89	-15.76	-14.89	-9.77	2.29	-1200.07	-2921.25	-1360.71	-2760.60	500.69
1	4	35	-1.82	-12.60	-10.45	-3.97	-4.31	-1033.20	-2171.66	-1070.57	-2134.29	202.85
1	4	36	-4.59	-10.75	-10.37	-4.97	-1.49	-826.69	-2180.11	-1566.30	-1440.50	-673.78
1	4	37	-7.15	-12.87	-12.15	-7.87	-1.89	-1992.66	-3074.42	-2107.62	-2959.47	-333.38
1	4	38	-3.81	-14.29	-12.11	-5.99	-4.25	-1476.17	-2675.57	-1628.43	-2523.30	-399.31
1	4	39	-1.48	-14.18	-13.98	-1.69	-1.62	2569.44	461.23	2568.72	461.94	38.75
1	4	40	-1.73	-10.60	-9.22	-3.11	-3.21	417.33	-209.22	234.38	-26.27	284.88
1	4	41	1.00	-12.78	-11.29	-0.49	-4.28	316.22	-390.82	315.65	-390.25	20.09
1	4	42	3.82	-14.14	-14.11	3.79	-0.69	2922.93	564.00	2921.70	565.23	-53.77
1	4	43	0.14	-13.88	-11.20	-2.54	-5.52	-811.41	-1350.46	-868.07	-1293.80	165.33
1	4	44	-0.36	-14.91	-12.23	-3.04	-5.64	-807.59	-1929.00	-982.58	-1754.02	-406.96
1	4	45	-8.33	-11.97	-11.83	-8.46	0.69	-2445.78	-2841.00	-2450.08	-2836.69	41.04
1	4	46	-10.74	-15.49	-15.47	-10.76	0.32	-2272.42	-3308.27	-2273.30	-3307.40	30.12
1	4	47	-1.20	-14.90	-10.54	-5.56	-6.38	26.08	-515.52	-344.22	-145.22	251.85
1	4	48	11.17	-15.72	-15.24	10.69	-3.58	2427.46	246.32	2254.58	419.19	-589.22
1	4	49	4.70	-14.63	-12.27	2.34	-6.33	1109.99	-1426.00	187.60	-503.60	-1219.99
1	4	50	1.37	-12.40	-9.89	-1.15	-5.32	1647.17	-1522.76	108.16	16.25	-1584.29
1	4	51	17.88	-9.12	-8.58	17.34	-3.80	1634.64	-83.20	1239.79	311.65	-722.76
1	4	52	-9.73	-16.29	-15.83	-10.19	-1.69	-1242.56	-2885.96	-1379.13	-2749.39	-453.65
1	4	53	-1.39	-9.33	-7.80	-2.92	3.13	-180.83	-1321.83	-181.63	-1321.03	30.25
1	4	54	0.34	-11.66	-8.90	-2.41	5.05	-68.49	-687.11	-380.97	-374.63	309.29
1	4	55	0.34	-12.44	-9.74	-2.37	5.22	117.25	-1298.36	-1288.14	107.03	-119.88
1	4	56	3.31	-14.39	-12.68	1.60	-5.24	544.60	-897.55	256.51	-609.46	-576.61
1	4	57	-0.98	-12.16	-9.69	-3.44	-4.64	17.14	-1391.67	-1378.65	4.13	134.79
1	4	58	0.50	-13.37	-10.22	-2.65	-5.81	203.03	-1303.54	-915.35	-185.17	658.89
1	4	59	-6.55	-16.24	-14.73	-8.06	-3.51	-1393.01	-3279.49	-1878.31	-2794.18	-824.62
1	4	60	2.28	-14.83	-11.59	-0.96	6.70	-791.93	-1921.26	-943.04	-1770.15	384.47
1	4	61	0.84	-14.55	-11.33	-2.39	6.26	84.51	-2305.18	-687.98	-1532.68	1117.71
1	4	62	2.09	-0.22	2.06	-0.19	0.29	253.62	75.19	200.17	128.64	81.73
1	4	63	4.00	0.92	3.99	0.92	0.10	585.33	-1.06	213.97	370.29	-282.59
1	4	64	0.46	-2.87	-1.89	-0.52	-1.52	517.97	-486.91	-433.27	464.34	225.88
1	4	65	2.14	-6.11	-4.56	0.59	-3.22	362.74	-298.96	-51.10	114.88	320.27
1	4	66	2.06	-13.46	-10.19	-1.20	6.33	289.05	-1248.09	-820.72	-138.31	-688.68
1	4	67	-0.13	-10.30	-9.05	-1.38	3.34	466.14	-205.18	263.13	-2.17	-308.34
1	4	68	3.21	-12.78	-11.44	1.87	4.43	359.53	-383.29	357.26	-381.02	-41.02
1	4	69	2.23	-13.94	-11.05	-0.65	6.19	-724.55	-1330.60	-789.36	-1265.78	-187.30
1	4	70	-0.81	-6.67	-5.86	-1.62	2.02	-230.90	-1953.44	-1718.74	-465.60	590.93
1	4	71	-0.93	-6.11	-5.23	-1.80	1.94	177.08	-1316.11	169.30	-1308.32	107.54
1	4	72	-2.60	-8.44	-7.94	-3.10	1.64	-416.56	-1699.41	-1535.77	-580.19	-427.95
1	4	73	-1.70	-5.55	-4.88	-2.36	-1.46	89.57	-1325.43	81.67	-1317.53	-105.43
1	4	74	-1.60	-5.91	-5.62	-1.89	-1.09	-212.93	-2054.79	-1805.38	-462.34	-630.22
1	4	75	-3.55	-7.82	-7.76	-3.60	-0.48	-525.38	-1783.10	-1653.41	-655.07	382.48
1	4	76	-2.63	-8.75	-7.54	-3.84	-2.44	-367.11	-1345.54	-367.57	-1345.09	-21.00
1	4	77	-6.15	-15.54	-15.53	-6.16	0.33	1272.71	-1693.30	-393.25	-27.35	-1471.67
1	4	78	-11.38	-28.35	-21.37	-18.36	8.35	2308.33	90.44	387.24	2011.53	-755.10
1	4	79	5.90	-19.15	0.68	-13.92	10.18	1629.54	-131.89	348.01	1149.65	-784.22
1	4	80	-2.49	-10.36	-9.28	-3.57	2.71	344.56	-2753.58	-2749.42	340.41	113.41
1	4	81	-0.21	-12.92	-10.21	-2.92	5.20	-907.50	-2132.60	-941.66	-2098.44	-201.71
1	4	82	-3.40	-11.49	-10.21	-4.67	2.95	-686.44	-2184.01	-1459.28	-1411.18	748.40
1	4	83	1.03	-10.62	-7.26	-2.34	5.28	347.02	-284.46	79.63	-17.07	-312.01
1	4	84	4.86	-15.51	-10.21	-0.44	8.94	2105.89	452.41	2091.92	466.38	-151.31
1	4	85	-2.68	-18.93	-11.65	-9.96	8.08	2188.22	397.86	2168.18	417.90	-188.34
1	4	86	-7.98e-02	-13.92	-10.51	-3.49	5.96	237.63	-167.49	80.20	-10.06	-197.47
1	4	87	-0.63	-14.13	-10.15	-4.61	-6.16	236.10	-263.61	29.79	-57.30	246.03
1	4	88	-0.63	-11.61	-8.66	-3.57	-4.86	-240.41	-727.95	-496.22	-472.14	-243.47
1	4	89	5.69	-14.19	-14.16	5.66	0.80	2931.51	567.88	2930.88	568.51	38.47
1	4	90	9.01	-14.75	-14.50	8.76	2.43	2888.33	481.36	2850.95	518.74	297.62
1	4	91	6.34	-14.50	-12.73	4.56	5.82	561.84	-869.29	294.64	-602.09	557.67
1	4	92	-2.31	-15.36	-13.41	-4.26	-4.65	83.70	-2295.40	-708.76	-1502.93	-1121.32
1	4	93	0.19	-14.94	-10.73	-4.02	6.78	60.33	-460.36	-291.67	-108.37	-243.68
1	4	94	1.15	-13.63	-13.47	0.99	1.55	2585.26	475.54	2584.06	476.73	-50.17
1	4	95	-1.29	-5.86	-5.80	-1.36	0.55	-497.63	-3249.20	-3248.99	-497.85	-24.23
1	4	96	-2.73	-7.91	-7.82	-2.82	0.67	-437.47	-3098.90	-3098.78	-437.59	-17.70
1	4	97	-0.20	-3.06	-2.76	-0.50	0.88	-251.24	-3088.52	-3070.14	-269.62	227.64
1	4	98	-5.65e-02	-2.84	-2.16	-0.73	1.19	3598.88	3342.93	3584.81	3357.00	58.34
1	4	99	1.09	-0.29	1.08	-0.29	-9.20e-02	155.02	93.95	110.72	138.24	-27.26
1	4	100	10.98	-2.13	5.35	3.50	-6.49	1580.31	85.60	1574.68	91.23	-91.55
1	4	101	1.62	-15.42	-12.87	-0.94	6.08	1869.85	402.76	1863.04	409.57	-99.66
1	4	102	2.19	-6.01	-5.09	1.27	2.59	350.34	-192.68	16.54	141.11	-264.27
1	4	103	-4.14	-9.19	-9.11	-4.23	0.65	-677.67	-3563.04	-3562.96	-677.74	14.81

1	4	104	-3.64	-9.53	-9.09	-4.09	-1.55	229.80	-2824.90	-2822.65	227.55	-82.80
1	4	105	-10.90	-23.26	-23.24	-10.91	-0.45	-265.32	-706.36	-706.09	-265.59	10.79
1	4	106	-11.66	-20.43	-20.21	-11.89	1.38	145.50	-1065.49	-623.33	-296.66	583.05
1	4	107	-19.33	-29.54	-29.02	-19.86	-2.25	3519.10	553.06	574.13	3498.04	249.06
1	4	108	-18.26	-24.22	-23.35	-19.13	-2.11	3931.60	829.44	829.44	3931.59	4.62
1	4	109	-0.36	-2.15	-1.58	-0.92	-0.83	3597.17	3390.03	3577.10	3410.10	-61.27
1	4	110	-0.49	-2.44	-2.39	-0.55	-0.31	-244.66	-3134.90	-3112.72	-266.85	-252.23
1	4	111	-10.06	-18.36	-17.94	-10.47	1.81	632.70	-1482.47	-513.50	-336.27	1053.87
1	4	112	-4.89	-11.32	-10.85	-5.36	1.67	1263.93	-1734.92	-383.27	-87.72	1492.13
1	4	113	-8.64	-25.33	-15.64	-18.33	-8.24	2352.37	110.46	414.01	2048.83	767.06
1	4	114	-11.73	-22.65	-22.17	-12.22	-2.26	150.94	-1025.60	-627.32	-247.34	-556.75
1	4	115	0.53	-3.23	-2.37	-0.33	1.58	493.09	-428.44	-381.14	445.79	-203.34
1	4	116	0.48	-8.09	-6.25	-1.36	3.52	343.55	-708.82	-114.92	-250.35	-521.81
1	4	117	-10.78	-21.93	-21.62	-11.08	-1.83	639.81	-1422.52	-488.28	-294.43	-1026.60
1	4	118	-0.32	-2.54	-2.48	-0.38	0.37	-897.99	-3999.27	-3999.19	-898.07	-16.02
1	4	119	11.00	-1.80	3.98	5.21	6.37	1302.57	105.30	1265.46	142.41	207.51
1	4	120	2.48	-14.54	-10.39	-1.67	-7.31	1716.54	336.49	1702.20	350.83	139.95
1	4	121	-5.70	-10.26	-10.11	-5.86	0.82	-1500.49	-3068.41	-3067.30	-1501.60	41.71
1	4	122	14.38	-16.61	-16.31	14.09	3.00	2452.00	264.13	2278.73	437.40	590.83
1	4	123	9.38	-14.50	-11.27	6.15	8.16	1086.86	-1423.89	190.63	-527.65	1202.91
1	4	124	8.52	-11.58	-5.20	2.14	9.36	1670.13	-1537.09	127.20	5.85	1602.46
1	4	125	27.19	-6.62	-6.28	26.85	3.38	1673.96	-32.53	1277.32	364.11	720.79
1	4	126	13.63	-16.48	9.45	-12.29	-10.42	1649.31	-121.78	377.60	1149.93	796.91
1	4	127	0.65	-10.70	-6.86	-3.19	-5.37	358.78	-402.00	5.48	-48.70	379.42
1	4	128	-0.18	-7.80	-5.93	-2.06	-3.28	351.74	-798.53	-176.88	-269.90	573.25
1	4	129	-20.78	-33.09	-33.06	-20.80	-0.54	3468.69	536.27	554.71	3450.24	-231.83
1	4	130	2.60	4.51e-02	2.60	4.55e-02	3.25e-02	581.55	-1736.20	-1720.86	566.21	187.93
1	4	131	2.68	0.16	2.68	0.16	1.41e-02	294.34	-3871.25	-3871.24	294.33	-5.56
1	4	132	7.10	-14.56	-14.22	6.76	-2.67	2868.14	473.83	2827.01	514.96	-311.11
1	4	133	2.77	0.85	2.75	0.87	-0.19	581.85	-6.64	211.22	363.99	284.16
1	4	134	-3.74	-19.11	-11.59	-11.26	-7.68	2143.41	377.16	2119.68	400.89	203.36
1	4	135	1.67	-0.21	1.67	-0.21	2.10e-02	582.26	-1677.74	-1661.04	565.56	-193.54
1	4	136	3.91	-16.02	-9.84	-2.26	-9.21	2013.91	418.38	1993.95	438.34	177.32
1	32	1	-0.74	-19.85	-11.23	-9.37	-9.51	944.22	74.88	934.45	84.65	91.64
1	32	3	111.76	-39.85	-8.71	80.62	-61.25	753.78	-318.91	168.35	266.51	-534.09
1	32	5	49.44	-18.88	-18.84	49.40	1.71	6900.06	1409.85	1439.10	6870.80	-399.67
1	32	7	49.67	-7.12	-7.07	49.62	-1.64	6837.18	1416.95	1463.18	6790.95	498.42
1	32	9	187.55	-37.22	33.52	116.81	104.38	942.26	-477.24	203.37	261.65	709.15
1	32	11	3.17	-6.30	-5.90	2.77	-1.89	3037.21	2789.62	2789.99	3036.84	9.64
1	32	13	19.72	-6.28	15.46	-2.01	9.63	4032.22	863.61	4025.89	869.95	-141.53
1	32	15	1.22	-7.59	-6.85	0.48	2.45	2801.29	2424.06	2470.87	2754.48	124.37
1	32	22	1.08	-13.32	-13.07	0.83	1.91	653.63	-759.33	651.69	-757.39	-52.32
1	32	25	0.67	-9.78	-9.66	0.55	-1.09	508.61	-772.39	508.57	-772.36	6.80
1	32	31	0.81	-2.11	-2.09	0.79	0.26	-1293.28	-2251.83	-1390.73	-2154.38	289.68
1	32	32	4.13	-2.71	-2.63	4.06	0.71	-949.57	-1918.41	-1066.80	-1801.19	315.96
1	32	33	3.43	1.44	1.51	3.36	0.37	-858.25	-2315.62	-1213.88	-1959.99	625.95
1	32	34	9.46e-02	-0.36	-0.14	-0.12	0.23	-761.83	-1980.79	-872.35	-1870.28	350.00
1	32	35	4.37e-02	-6.42	-6.42	3.68e-02	-0.21	-818.28	-1501.36	-850.14	-1469.50	144.03
1	32	36	-0.90	-5.71	-5.36	-1.25	-1.25	-944.47	-1761.58	-1329.41	-1376.65	-407.87
1	32	37	-5.78e-02	-4.60	-3.23	-1.43	-2.09	-1490.06	-2184.95	-1531.69	-2143.32	-164.92
1	32	38	1.19	-5.48	-4.14	-0.15	-2.67	-1111.28	-1896.41	-1196.92	-1810.77	-244.75
1	32	39	-1.31	-24.39	-7.30	-18.40	10.12	1810.98	294.09	1808.92	296.15	55.87
1	32	40	-2.62	-12.74	-12.67	-2.69	0.87	151.28	-409.16	-121.91	-135.97	280.13
1	32	41	-0.15	-9.07	-8.65	-0.57	1.89	83.06	-346.55	82.93	-346.42	7.60
1	32	42	6.28	-15.40	-7.70	-1.43	10.38	1941.93	378.62	1939.56	381.00	-60.93
1	32	43	1.16	-8.06	-7.98	1.09	-0.85	-670.63	-1061.09	-711.16	-1020.56	119.09
1	32	44	2.96	-5.89	-5.09	2.16	-2.53	-588.83	-1429.65	-722.17	-1296.31	-307.14
1	32	45	-0.86	-2.75	-2.35	-1.26	-0.77	-1677.21	-2094.42	-1700.35	-2071.28	95.50
1	32	46	0.25	-3.63	-0.35	-3.02	-1.41	-1646.46	-2279.91	-1655.10	-2271.27	73.46
1	32	47	4.38	-12.75	-7.45	-0.92	7.92	-46.86	-560.14	-402.90	-204.10	236.61
1	32	48	20.54	-13.43	-10.78	17.89	9.11	1583.42	100.08	1438.08	245.42	-440.97
1	32	49	12.58	-4.17	-2.83	11.24	-4.54	783.53	-1014.03	72.24	-302.74	-879.01
1	32	50	14.98	-2.14	9.83	3.01	-7.86	1147.19	-995.50	5.83	145.86	-1069.06
1	32	51	57.72	5.48	5.59	57.61	2.37	1157.28	80.24	847.80	389.72	-487.38
1	32	52	1.16	-5.69	-2.04	-2.49	-3.42	-886.55	-1913.60	-939.30	-1860.85	-226.70
1	32	53	2.59	-6.33	-6.25	2.52	-0.80	315.25	-864.19	308.61	-857.55	88.27
1	32	54	3.47	-5.46	-4.99	3.00	-1.99	480.89	-403.56	-224.98	302.32	355.04
1	32	55	4.72	-7.78	-6.08	3.02	-4.28	133.43	-858.85	-833.35	107.94	-157.00
1	32	56	5.59	-7.31	-7.26	5.55	0.76	343.68	-707.92	92.94	-457.19	-448.11
1	32	57	1.19	-8.35	-6.77	-0.39	3.54	213.47	-1104.12	-1081.80	191.16	170.03
1	32	58	0.32	-9.25	-9.07	0.14	1.31	81.88	-1117.60	-533.36	-502.36	599.54
1	32	59	2.33	-4.89	-2.39	-0.17	-3.43	-985.00	-2257.29	-1293.20	-1949.09	-545.10
1	32	60	8.64	-3.39	-3.37	8.63	0.38	-472.37	-1409.80	-608.49	-1273.68	330.26
1	32	61	8.46	3.19	3.90	7.76	1.79	226.54	-1590.32	-383.21	-980.57	857.93
1	32	62	-1.07e-02	-5.28	-5.28	-1.17e-02	7.32e-02	92.16	-1.58	20.56	70.02	-39.81
1	32	63	-1.21	-9.20	-9.13	-1.28	0.72	432.79	-104.75	62.43	265.62	-248.83
1	32	64	3.99e-02	-6.80	-6.48	-0.28	1.44	289.14	-381.26	-378.16	286.04	45.46

1	32	65	2.30	-7.31	-6.39	1.37	2.84	97.45	-178.85	-139.64	58.24	96.42
1	32	66	6.28	-10.13	-8.48	4.63	-4.94	-8.87	-1026.37	-602.01	-433.23	-501.71
1	32	67	6.85	-14.82	-12.34	4.37	-6.90	559.33	-163.44	459.54	-63.66	-249.33
1	32	68	9.21	-10.95	-8.62	6.88	-6.44	340.03	-319.41	339.79	-319.17	-12.51
1	32	69	7.75	-7.89	-7.53	7.39	-2.34	-508.91	-946.34	-514.44	-940.81	-48.86
1	32	70	0.53	-9.16	-8.95	0.31	1.42	-56.58	-1253.89	-1086.51	-223.96	415.20
1	32	71	1.47	-8.07	-8.07	1.47	-0.11	258.70	-846.44	227.91	-815.65	181.87
1	32	72	1.57	-6.64	-6.40	1.33	1.38	298.21	-920.97	-814.01	191.26	-344.90
1	32	73	0.92	-7.90	-7.25	0.27	2.30	33.00	-876.52	15.52	-859.04	-124.86
1	32	74	0.21	-9.06	-8.60	-0.24	2.00	-85.01	-1500.68	-1377.82	-207.86	-398.53
1	32	75	0.95	-7.89	-7.38	0.44	2.06	176.38	-1414.28	-1343.57	105.67	327.85
1	32	76	1.51	-7.38	-6.66	0.80	2.42	28.17	-926.34	27.86	-926.04	17.11
1	32	77	5.20	-2.77	1.99	0.44	3.91	1130.92	-972.30	-251.18	409.80	-998.33
1	32	78	-1.80	-21.53	-2.15	-21.17	-2.61	1188.28	-121.99	125.65	940.63	-512.99
1	32	79	5.32	-27.74	-0.44	-21.98	12.54	1081.86	-79.94	235.72	766.21	-516.81
1	32	80	1.07	-5.34	-5.32	1.05	-0.41	563.26	-1861.98	-1844.00	545.28	208.04
1	32	81	3.64	-5.89	-5.75	3.50	-1.15	-745.85	-1373.34	-765.11	-1354.08	-108.24
1	32	82	0.80	-4.36	-4.35	0.79	0.28	-515.17	-1708.76	-835.73	-1388.20	529.02
1	32	83	4.35	-7.11	-6.95	4.19	-1.34	254.90	58.85	245.46	68.29	-41.97
1	32	84	5.47	-11.99	-9.81	3.30	-5.77	1632.74	325.05	1631.39	326.41	-42.03
1	32	85	18.91	-13.44	-9.43	14.89	-10.66	1446.73	278.71	1428.24	297.21	-145.82
1	32	86	4.94	-1.53	-1.52	4.93	0.24	335.29	113.52	269.02	179.80	-101.51
1	32	87	1.53	-4.21	-2.71	3.04e-02	2.52	122.80	-341.64	-298.08	79.23	135.41
1	32	88	2.79	-7.35	-5.12	0.56	4.20	280.90	-372.69	-191.46	99.68	-292.58
1	32	89	16.34	-21.85	-11.84	6.33	-16.80	2108.19	428.11	2108.07	428.23	14.27
1	32	90	22.47	-17.01	-10.35	15.82	-14.78	2032.53	339.22	2004.49	367.25	216.06
1	32	91	15.73	-7.73	-6.99	14.99	-4.10	477.64	-644.01	260.37	-426.74	443.28
1	32	92	3.63	-2.91	-1.26	1.97	-2.84	132.76	-1586.17	-469.75	-983.66	-820.15
1	32	93	8.70	-11.99	-5.01	1.71	-9.78	190.50	-281.03	-162.93	72.39	-204.30
1	32	94	-1.73	-24.84	-12.51	-14.06	-11.53	1662.56	163.56	1659.23	166.90	-70.62
1	32	95	0.23	-9.33	-8.94	-0.15	1.88	-192.33	-2333.72	-2333.65	-192.40	-12.17
1	32	96	0.68	-7.43	-7.06	0.31	1.69	51.02	-2267.86	-2267.54	50.70	-27.29
1	32	97	-0.19	-11.83	-11.78	-0.24	0.74	-232.21	-2199.71	-2176.23	-255.69	213.64
1	32	98	0.67	-11.04	-11.03	0.67	0.23	2449.47	2061.94	2371.98	2139.43	155.00
1	32	99	6.62e-02	-9.89	-9.87	5.24e-02	-0.37	346.03	54.17	304.96	95.24	101.49
1	32	100	11.85	-4.16	4.57	3.12	-7.97	1616.94	95.38	1616.87	95.45	-10.32
1	32	101	-0.40	-13.90	-13.60	-0.70	-1.98	1689.65	364.00	1689.55	364.11	11.72
1	32	102	3.64	-10.56	-9.73	2.82	-3.32	230.50	120.00	230.45	120.04	2.20
1	32	103	0.20	-6.18	-6.12	0.13	0.65	-331.74	-2536.47	-2535.37	-332.84	49.28
1	32	104	0.39	-7.46	-7.29	0.22	1.12	123.08	-2074.74	-2070.25	118.58	-99.30
1	32	105	0.62	-5.69	-1.52	-3.55	-2.99	26.52	-573.01	-567.22	20.74	58.61
1	32	106	3.48	-2.28	2.45	-1.25	2.21	469.36	-630.04	-402.83	242.16	445.16
1	32	107	8.61	-25.53	3.24	-20.17	-12.43	1883.27	188.21	209.90	1861.57	190.53
1	32	108	3.22	-22.25	0.72	-19.75	-7.58	2613.21	557.13	557.75	2612.59	35.84
1	32	109	0.38	-9.13	-8.93	0.18	1.38	2345.40	2128.39	2263.97	2209.82	-105.08
1	32	110	-6.09e-02	-10.64	-10.48	-0.22	1.29	-276.56	-2326.82	-2310.45	-292.92	-182.41
1	32	111	4.28	-3.06	-0.21	1.43	-3.58	652.77	-904.28	-26.35	-225.16	772.15
1	32	112	14.44	0.15	12.66	1.93	-4.72	1187.06	-1008.79	-224.02	402.30	1052.32
1	32	113	5.51	-23.36	3.18	-21.04	-7.86	1132.01	-206.25	86.37	839.38	553.15
1	32	114	4.09	-10.60	-1.84	-4.67	-7.21	389.92	-570.48	-439.10	258.54	-330.02
1	32	115	0.42	-8.75	-8.71	0.38	-0.59	241.28	-132.83	-130.50	238.95	29.40
1	32	116	2.47	-6.97	-6.96	2.46	-0.21	136.32	-202.07	18.17	-83.92	-161.32
1	32	117	0.99	-9.02	-7.20	-0.83	-3.86	560.54	-793.31	-55.91	-176.86	-674.22
1	32	118	-0.56	-12.11	-11.96	-0.71	1.30	-693.41	-2891.61	-2891.56	-693.46	10.38
1	32	119	10.10	-0.74	4.49	4.88	5.41	889.00	68.69	876.53	81.16	100.39
1	32	120	4.08e-02	-7.53	-7.46	-2.57e-02	0.71	1059.26	211.47	1057.54	213.19	38.14
1	32	121	-0.22	-4.73	-4.72	-0.23	-0.21	-1181.12	-2099.68	-2082.77	-1198.04	123.49
1	32	122	35.42	-18.63	-13.90	30.69	-15.27	1674.13	154.49	1543.43	285.19	426.06
1	32	123	23.91	-0.68	0.10	23.12	4.32	839.98	-966.61	169.50	-296.13	872.78
1	32	124	31.35	4.78	21.68	14.45	12.79	1212.39	-982.71	78.05	151.64	1096.93
1	32	125	85.78	8.60	9.71	84.66	-9.22	1259.74	212.58	954.03	518.29	476.10
1	32	126	38.28	-31.47	28.50	-21.68	-24.23	1132.61	-16.71	365.80	750.09	541.58
1	32	127	2.39	-6.59	-5.67	1.48	2.72	90.57	-231.90	-132.01	-9.32	149.11
1	32	128	1.54	-6.82	-5.94	0.65	2.58	124.03	-408.67	-118.61	-166.03	265.29
1	32	129	-10.14	-19.03	-10.20	-18.96	-0.76	1906.98	174.61	184.17	1897.43	-128.31
1	32	130	-1.31	-13.24	-13.22	-1.32	-0.43	413.25	-1445.84	-1439.22	406.63	110.73
1	32	131	0.76	-14.74	-14.74	0.76	4.95e-02	210.36	-2828.73	-2828.58	210.22	21.06
1	32	132	9.99	-13.43	-9.39	5.96	8.84	1894.53	290.99	1853.77	331.74	-252.38
1	32	133	-1.38	-13.83	-13.75	-1.46	-0.98	490.85	-112.86	125.82	252.17	295.17
1	32	134	8.31	-4.64	-3.29	6.96	3.96	1408.45	334.84	1392.15	351.14	131.29
1	32	135	-2.25	-16.58	-16.56	-2.28	0.64	408.94	-1171.55	-1168.72	406.12	-66.75
1	32	136	3.02	-6.97	-4.68	0.72	4.20	1168.42	224.90	1161.23	232.09	82.07
1	44	1	6.13	-19.58	-5.65	-7.80	-12.81	1599.27	250.55	1592.40	257.42	96.03
1	44	3	127.48	-48.52	-20.70	99.65	-64.21	765.58	-334.42	143.90	287.26	-545.31
1	44	5	53.29	-19.77	-19.36	52.88	5.44	7177.01	1482.05	1510.93	7148.13	-404.49
1	44	7	46.38	-6.51	-6.43	46.30	2.05	6573.50	1348.01	1395.02	6526.49	493.39
1	44	9	175.73	-33.01	45.65	97.07	101.16	930.82	-463.46	227.67	239.70	697.11

1	44	11	2.75	-6.40	-6.11	2.47	-1.60	3029.62	2793.35	2794.19	3028.78	-14.03
1	44	13	12.40	-6.05	9.87	-3.52	6.35	3375.13	690.42	3368.05	697.50	-137.74
1	44	15	1.70	-7.55	-6.63	0.78	2.76	2792.37	2433.83	2465.02	2761.18	101.04
1	44	22	1.00	-12.54	-12.31	0.76	1.77	633.80	-763.49	632.29	-761.98	-45.92
1	44	25	0.76	-10.63	-10.50	0.63	-1.23	528.10	-767.32	527.97	-767.20	12.59
1	44	31	0.89	-2.39	-2.24	0.73	0.69	-1315.00	-2245.15	-1407.67	-2152.48	278.58
1	44	32	3.85	-2.87	-2.73	3.72	0.94	-967.23	-1916.16	-1077.87	-1805.52	304.55
1	44	33	3.24	1.09	1.24	3.10	0.53	-885.63	-2314.87	-1231.86	-1968.64	612.35
1	44	34	0.72	-0.96	-0.41	0.17	0.79	-779.94	-1979.97	-883.89	-1876.02	337.55
1	44	35	0.38	-6.53	-6.52	0.38	0.16	-839.97	-1474.39	-869.27	-1445.08	133.17
1	44	36	-0.92	-5.46	-5.30	-1.08	-0.85	-914.83	-1758.57	-1260.84	-1412.56	-414.99
1	44	37	-0.37	-4.08	-3.08	-1.37	-1.65	-1469.04	-2191.34	-1514.74	-2145.65	-175.84
1	44	38	1.29	-5.14	-4.05	0.20	-2.41	-1094.03	-1898.71	-1186.19	-1806.56	-256.25
1	44	39	-3.23	-28.26	-9.77	-21.71	11.00	1789.65	254.17	1787.31	256.51	59.91
1	44	40	-1.50	-14.38	-14.11	-1.77	1.86	213.55	-346.61	1.09	-134.14	271.79
1	44	41	0.66	-9.81	-9.12	-2.73e-02	2.58	133.80	-345.90	133.79	-345.89	2.31
1	44	42	8.37	-17.92	-8.51	-1.04	12.61	1990.11	392.63	1988.25	394.49	-54.42
1	44	43	1.88	-8.39	-8.38	1.87	-0.36	-661.43	-1039.47	-686.94	-1013.96	94.84
1	44	44	3.52	-5.55	-4.95	2.92	-2.25	-563.47	-1431.45	-705.45	-1289.47	-321.06
1	44	45	-1.22	-2.39	-2.35	-1.26	-0.22	-1684.68	-2087.35	-1700.45	-2071.58	78.11
1	44	46	-0.23	-3.13	-0.35	-3.01	-0.56	-1649.67	-2276.59	-1655.15	-2271.10	58.39
1	44	47	6.49	-13.97	-6.84	-0.64	9.75	1.07	-511.61	-357.54	-153.00	235.05
1	44	48	25.32	-14.30	-10.91	21.92	11.09	1595.28	102.01	1455.13	242.15	-435.47
1	44	49	14.59	-3.04	-1.78	13.32	-4.55	801.26	-999.55	91.13	-289.42	-880.07
1	44	50	16.66	-1.46	13.07	2.13	-7.22	1156.16	-988.76	-0.15	167.54	-1069.18
1	44	51	69.91	10.13	10.20	69.84	2.13	1179.04	131.77	878.99	431.82	-473.50
1	44	52	0.63	-5.17	-1.78	-2.77	-2.86	-869.57	-1912.70	-927.50	-1854.77	-238.89
1	44	53	2.36	-6.64	-6.54	2.26	-0.96	269.38	-869.43	265.17	-865.22	69.10
1	44	54	3.16	-6.05	-5.49	2.60	-2.20	440.10	-396.77	-205.22	248.56	351.58
1	44	55	3.77	-7.45	-6.22	2.55	-3.50	164.73	-891.95	-869.71	142.49	-151.68
1	44	56	7.11	-7.37	-7.24	6.97	1.40	375.07	-701.37	124.51	-450.81	-454.90
1	44	57	2.22	-8.77	-6.63	8.01e-02	4.36	179.63	-1072.11	-1046.83	154.35	176.08
1	44	58	1.20	-10.03	-9.51	0.68	2.35	30.49	-1119.55	-561.16	-527.90	574.78
1	44	59	2.44	-4.44	-2.14	0.13	-3.25	-957.24	-2257.74	-1274.89	-1940.09	-558.75
1	44	60	7.90	-3.55	-3.52	7.87	0.62	-497.19	-1408.67	-625.21	-1280.65	316.70
1	44	61	8.18	2.08	3.18	7.08	2.34	197.33	-1592.07	-400.63	-994.10	844.06
1	44	62	6.16e-02	-6.46	-6.46	5.90e-02	0.13	136.06	36.77	105.87	66.97	-45.68
1	44	63	-1.30	-10.49	-10.42	-1.37	0.77	445.79	-107.95	74.32	263.52	-260.21
1	44	64	7.77e-02	-7.16	-6.96	-0.13	1.21	276.64	-333.19	-331.67	275.12	30.43
1	44	65	2.67	-8.07	-7.14	1.74	3.02	103.18	-109.91	-70.31	63.58	82.88
1	44	66	5.23	-9.20	-8.03	4.07	-3.94	40.34	-1026.02	-575.86	-409.83	-526.68
1	44	67	5.58	-13.05	-10.91	3.45	-5.94	462.27	-191.88	336.49	-66.10	-257.80
1	44	68	8.33	-10.18	-8.16	6.31	-5.77	289.46	-320.53	288.97	-320.03	-17.38
1	44	69	6.85	-7.39	-7.14	6.60	-1.88	-526.78	-960.34	-539.39	-947.73	-72.87
1	44	70	0.32	-9.08	-9.01	0.25	0.78	-66.86	-1291.13	-1133.96	-224.02	409.53
1	44	71	1.31	-8.12	-8.09	1.27	-0.57	224.17	-854.44	196.40	-826.66	170.84
1	44	72	1.34	-6.89	-6.80	1.25	0.87	266.54	-1006.90	-901.56	161.21	-350.78
1	44	73	0.87	-7.67	-7.25	0.46	1.84	67.88	-868.74	47.69	-848.56	-136.01
1	44	74	3.19e-02	-8.77	-8.56	-0.18	1.36	-77.52	-1460.38	-1329.94	-207.96	-404.19
1	44	75	0.82	-7.29	-6.98	0.52	1.54	207.24	-1326.21	-1255.33	136.36	321.98
1	44	76	1.70	-7.01	-6.37	1.06	2.27	72.22	-919.30	72.22	-919.30	-1.89
1	44	77	8.10	-4.19	2.26	1.65	6.14	1168.53	-965.17	-241.57	444.93	-1010.13
1	44	78	0.33	-20.68	-0.13	-20.22	-3.06	1152.61	-138.75	126.84	887.02	-521.95
1	44	79	0.36	-35.03	-7.10	-27.57	14.43	1055.38	-113.95	212.20	729.24	-524.40
1	44	80	1.01	-5.72	-5.72	1.00	-0.18	498.44	-1888.75	-1874.87	484.56	181.49
1	44	81	3.23	-5.72	-5.65	3.15	-0.81	-725.14	-1400.11	-746.87	-1378.39	-119.12
1	44	82	0.70	-4.50	-4.41	0.61	0.66	-562.35	-1697.29	-904.90	-1354.74	521.00
1	44	83	3.49	-7.17	-6.88	3.20	-1.74	197.37	31.79	175.36	53.79	-56.20
1	44	84	4.63	-10.33	-8.57	2.87	-4.82	1549.90	313.77	1547.99	315.68	-48.53
1	44	85	13.79	-12.24	-9.18	10.73	-8.37	1433.99	284.36	1416.86	301.48	-139.27
1	44	86	3.83	-2.95	-2.90	3.77	-0.62	256.00	59.51	159.64	155.88	-98.23
1	44	87	2.06	-2.16	-1.31	1.21	1.69	159.17	-245.35	-189.10	102.92	139.98
1	44	88	3.07	-6.72	-4.62	0.96	4.02	318.41	-376.22	-211.70	153.89	-295.32
1	44	89	14.29	-19.41	-11.03	5.90	-14.57	2060.07	414.54	2059.81	414.80	20.86
1	44	90	19.30	-15.65	-10.12	13.76	-12.76	1999.31	330.40	1969.36	360.35	221.55
1	44	91	14.08	-7.60	-7.02	13.50	-3.50	445.89	-650.38	228.65	-433.14	436.99
1	44	92	3.81	-1.70	-0.55	2.66	-2.24	162.56	-1584.59	-452.27	-969.76	-834.38
1	44	93	6.65	-10.83	-5.62	1.44	-8.00	142.11	-330.05	-208.66	20.72	-206.35
1	44	94	0.26	-21.04	-10.02	-10.76	-10.64	1685.04	203.62	1682.04	206.62	-66.59
1	44	95	3.07e-03	-9.11	-8.95	-0.16	1.20	-192.41	-2333.51	-2333.45	-192.47	-11.38
1	44	96	0.52	-7.27	-7.06	0.31	1.28	51.10	-2267.70	-2267.37	50.76	-27.86
1	44	97	-0.21	-11.58	-11.58	-0.22	0.32	-240.32	-2218.88	-2197.10	-262.10	206.43
1	44	98	0.58	-10.65	-10.65	0.58	-0.15	2435.65	2080.52	2361.12	2155.05	144.62
1	44	99	2.09e-02	-8.87	-8.86	1.23e-02	-0.28	279.15	51.05	233.84	96.37	91.01
1	44	100	11.35	-3.72	4.40	3.22	-7.51	1503.30	90.23	1503.21	90.32	-11.20
1	44	101	-0.18	-12.75	-12.53	-0.40	-1.63	1580.33	342.46	1580.31	342.48	4.86
1	44	102	3.21	-9.79	-8.99	2.41	-3.12	165.40	109.48	162.12	112.75	-13.12

1	44	103	0.22	-6.21	-6.11	0.13	0.78	-332.80	-2535.25	-2534.99	-333.06	23.93
1	44	104	0.51	-7.13	-6.88	0.25	1.37	185.51	-2045.83	-2038.70	178.38	-125.92
1	44	105	-0.35	-4.70	-1.51	-3.55	-1.92	22.68	-568.74	-567.31	21.26	29.20
1	44	106	4.34	-2.19	2.38	-0.23	2.99	424.94	-621.64	-406.07	209.37	423.25
1	44	107	11.72	-23.32	6.59	-18.19	-12.39	1937.02	220.65	238.64	1919.03	174.80
1	44	108	3.69	-22.73	0.72	-19.76	-8.34	2612.73	557.55	557.69	2612.59	16.93
1	44	109	0.37	-9.46	-9.36	0.27	1.00	2356.91	2111.03	2274.81	2193.13	-115.96
1	44	110	-0.17	-10.80	-10.73	-0.25	0.87	-269.08	-2307.01	-2289.18	-286.92	-189.82
1	44	111	4.61	-3.45	0.12	1.04	-4.00	621.96	-902.78	-56.86	-223.96	757.78
1	44	112	12.93	0.22	12.40	0.75	-2.53	1150.73	-1015.41	-233.42	368.75	1040.38
1	44	113	3.91	-24.61	1.27	-21.98	-8.25	1164.95	-189.65	84.30	891.00	544.10
1	44	114	3.01	-10.44	-1.75	-5.68	-6.43	435.25	-577.87	-435.76	293.14	-351.82
1	44	115	0.29	-8.35	-8.27	0.21	-0.81	249.28	-175.17	-174.65	248.75	14.89
1	44	116	2.13	-7.07	-7.01	2.07	-0.76	132.21	-237.16	-3.16	-101.79	-177.98
1	44	117	1.62	-9.55	-7.54	-0.39	-4.29	591.89	-793.57	-24.16	-177.53	-688.47
1	44	118	-0.66	-12.04	-11.99	-0.72	0.77	-693.58	-2891.40	-2891.39	-693.59	4.81
1	44	119	10.42	-1.00	4.64	4.77	5.71	986.78	71.65	973.12	85.30	110.95
1	44	120	-7.76e-02	-8.56	-8.41	-0.22	1.09	1165.28	232.08	1164.11	233.25	33.01
1	44	121	-0.22	-4.73	-4.71	-0.24	0.23	-1190.44	-2090.71	-2082.42	-1198.73	86.01
1	44	122	30.50	-17.75	-13.76	26.51	-13.28	1661.85	152.89	1526.10	288.64	431.76
1	44	123	21.79	-1.75	-0.95	20.99	4.26	822.06	-981.11	150.32	-309.36	871.80
1	44	124	30.29	3.39	18.37	15.31	13.36	1203.84	-989.89	84.02	129.93	1096.63
1	44	125	73.32	3.70	5.01	72.01	-9.46	1237.05	159.55	921.77	474.83	490.22
1	44	126	43.57	-24.33	35.26	-16.02	-22.25	1157.75	18.88	389.42	787.21	533.57
1	44	127	3.12	-6.35	-5.73	2.49	2.36	111.38	-169.14	-62.05	4.29	136.28
1	44	128	1.59	-6.44	-5.88	1.04	2.04	127.63	-372.98	-96.41	-148.93	248.92
1	44	129	-13.46	-21.02	-13.52	-20.96	-0.70	1850.66	142.47	154.67	1838.45	-143.86
1	44	130	-1.51	-13.99	-13.98	-1.53	-0.49	411.40	-1401.36	-1395.66	405.70	101.44
1	44	131	0.76	-14.77	-14.77	0.76	2.30e-02	210.24	-2828.54	-2828.49	210.19	12.65
1	44	132	13.12	-14.81	-9.62	7.94	10.86	1927.40	300.30	1888.99	338.71	-247.02
1	44	133	-1.31	-12.66	-12.58	-1.39	-0.93	478.32	-108.54	115.42	254.36	285.09
1	44	134	13.51	-5.84	-3.54	11.21	6.27	1420.38	328.88	1402.58	346.69	138.27
1	44	135	-2.06	-15.91	-15.88	-2.09	0.59	410.39	-1215.88	-1212.34	406.85	-75.81
1	44	136	3.96	-8.65	-5.92	1.23	5.19	1248.59	236.30	1242.78	242.10	76.44
1	64	1	-1.38	-12.10	-3.36	-10.12	-4.16	1786.92	272.59	1775.89	283.62	128.77
1	64	3	64.29	-30.83	-4.62	38.08	-42.50	693.91	-248.02	212.20	233.69	-470.84
1	64	5	27.31	-25.69	-25.67	27.29	1.02	5017.90	902.11	949.34	4970.67	-438.36
1	64	7	25.72	-17.76	-17.73	25.69	-1.13	4872.81	885.68	946.55	4811.94	488.86
1	64	9	106.79	-32.10	16.86	57.83	66.36	790.99	-349.51	218.04	223.44	570.24
1	64	11	5.41e-02	-6.02	-5.92	-4.50e-02	0.77	2893.39	2743.24	2745.56	2891.07	-18.54
1	64	13	8.95	-7.59	7.91	-6.54	4.03	3098.21	607.32	3089.12	616.41	-150.24
1	64	15	-1.30	-6.31	-6.30	-1.31	-0.23	2706.13	2464.41	2496.64	2673.90	82.17
1	64	22	0.54	-5.45	-5.12	0.21	1.36	745.62	-787.07	742.82	-784.27	-65.48
1	64	25	0.31	-3.60	-3.36	7.03e-02	-0.94	674.93	-793.61	673.93	-792.62	38.29
1	64	31	-1.97	-5.73	-5.27	-2.42	1.23	-1327.08	-2232.16	-1419.61	-2139.62	274.20
1	64	32	0.64	-6.23	-5.43	-0.16	2.20	-981.81	-1910.94	-1079.81	-1812.94	285.39
1	64	33	-0.45	-5.11	-4.29	-1.28	1.78	-962.25	-2369.60	-1292.71	-2039.13	596.55
1	64	34	-3.29	-5.99	-5.60	-3.69	0.95	-811.87	-2067.90	-915.68	-1964.09	345.84
1	64	35	-1.05	-7.07	-6.59	-1.53	-1.62	-714.56	-1524.25	-750.77	-1488.04	167.35
1	64	36	-2.14	-6.41	-6.10	-2.44	-1.10	-697.62	-1614.77	-1163.95	-1148.44	-458.51
1	64	37	-2.73	-6.70	-5.89	-3.54	-1.60	-1434.61	-2192.36	-1493.22	-2133.75	-202.43
1	64	38	-0.97	-7.65	-6.29	-2.32	-2.69	-1073.26	-1898.14	-1156.31	-1815.09	-248.21
1	64	39	-4.54	-12.09	-8.16	-8.48	3.77	1739.00	297.61	1737.30	299.31	49.45
1	64	40	-2.30	-8.88	-8.78	-2.40	-0.80	235.18	-299.30	1.49	-65.61	265.13
1	64	41	-0.50	-7.99	-7.92	-0.56	-0.71	142.64	-317.17	138.33	-312.87	44.29
1	64	42	2.35	-10.19	-8.61	0.77	4.16	1956.87	379.44	1956.01	380.30	-36.73
1	64	43	0.13	-8.29	-7.59	-0.57	-2.33	-585.63	-1027.24	-648.45	-964.42	154.25
1	64	44	0.98	-8.08	-6.81	-0.28	-3.14	-600.19	-1389.32	-702.90	-1286.61	-265.52
1	64	45	-3.67	-5.41	-5.40	-3.68	-0.11	-1701.09	-2053.08	-1709.77	-2044.39	54.60
1	64	46	-4.99	-6.13	-5.85	-5.27	-0.49	-1643.39	-2376.21	-1645.75	-2373.85	41.56
1	64	47	-2.15	-7.19	-6.94	-2.40	1.10	-10.89	-493.10	-357.65	-146.34	216.72
1	64	48	11.32	-11.09	-10.82	11.06	2.44	1647.96	140.71	1518.05	270.62	-423.00
1	64	49	7.04	-7.58	-6.08	5.53	-4.44	759.69	-1007.11	100.18	-347.60	-854.56
1	64	50	6.28	-5.27	0.39	0.61	-5.77	1146.30	-1045.41	43.43	57.45	-1095.83
1	64	51	30.84	-1.20	-1.19	30.83	-0.56	1155.47	1.20	865.49	291.19	-500.63
1	64	52	-3.47	-8.07	-6.70	-4.84	-2.11	-878.91	-2028.26	-950.28	-1956.89	-277.37
1	64	53	7.74e-02	-5.52	-5.40	-3.56e-02	0.79	133.79	-887.31	131.14	-884.66	51.93
1	64	54	0.52	-5.38	-5.21	0.35	0.99	213.31	-416.74	-214.16	10.73	294.27
1	64	55	0.32	-6.07	-6.07	0.32	2.82e-02	149.08	-895.23	-879.70	133.54	-126.43
1	64	56	3.05	-8.26	-8.03	2.82	-1.59	331.30	-656.82	129.46	-454.97	-398.38
1	64	57	-1.47	-6.34	-6.34	-1.48	-0.15	156.73	-1031.72	-1015.58	140.58	137.56
1	64	58	-0.69	-7.94	-7.62	-1.02	-1.50	166.99	-1008.39	-571.19	-270.21	568.10
1	64	59	-1.52	-8.07	-6.49	-3.09	-2.80	-1024.41	-2332.98	-1332.62	-2024.77	-555.27
1	64	60	3.81	-6.57	-5.90	3.14	2.56	-544.32	-1379.69	-641.78	-1282.24	268.17
1	64	61	3.72	-4.24	-2.76	2.24	3.10	107.30	-1618.26	-442.08	-1068.88	803.85
1	64	62	-0.18	-1.64	-1.64	-0.18	5.23e-02	83.65	54.98	57.56	81.07	8.21
1	64	63	-0.15	-2.47	-2.42	-0.20	0.33	442.72	-25.55	150.00	267.17	-226.69

1	64	64	-0.31	-3.34	-3.34	-0.31	1.39e-02	331.46	-328.32	-312.86	316.00	99.82
1	64	65	0.83	-4.21	-4.21	0.83	4.64e-02	162.85	-197.21	-102.74	68.37	158.40
1	64	66	1.35	-7.38	-7.38	1.35	0.11	161.66	-959.76	-573.25	-224.84	-532.96
1	64	67	1.46	-8.92	-8.61	1.15	-1.76	416.43	-176.97	266.00	-26.54	-258.14
1	64	68	3.46	-8.11	-7.98	3.34	-1.19	269.71	-302.69	265.03	-298.00	-51.56
1	64	69	2.86	-7.52	-7.38	2.72	1.19	-497.71	-959.42	-537.76	-919.37	-129.95
1	64	70	-0.17	-6.16	-5.83	-0.49	1.35	-88.16	-1307.06	-1131.52	-263.70	427.96
1	64	71	2.40e-02	-5.30	-5.22	-6.48e-02	0.68	236.62	-893.26	-1283.32	-220.33	-876.97
1	64	72	-0.34	-5.79	-5.51	-0.61	1.20	24.36	-1046.75	-931.55	-90.84	-331.84
1	64	73	-0.71	-4.80	-4.75	-0.75	0.42	113.62	-911.23	101.90	-899.52	-108.95
1	64	74	-0.77	-5.65	-5.61	-0.81	0.43	-98.52	-1442.37	-1285.00	-255.88	-432.10
1	64	75	-1.06	-5.97	-5.88	-1.15	0.66	-65.03	-1283.32	-1197.63	-150.71	311.52
1	64	76	-1.05	-5.50	-5.49	-1.06	0.14	-46.49	-922.28	-46.49	-922.28	-2.54
1	64	77	-1.52	-5.58	-4.84	-2.26	1.57	972.86	-1110.17	-270.54	133.22	-1021.76
1	64	78	-8.36	-16.63	-8.67	-16.32	1.58	1438.08	-17.24	209.57	1211.27	-527.87
1	64	79	4.21	-18.98	0.15	-14.92	8.81	1121.04	-95.55	236.61	788.87	-542.01
1	64	80	-0.82	-5.72	-5.60	-0.94	0.77	442.72	-1890.63	-1882.79	434.88	135.02
1	64	81	0.55	-6.51	-6.25	0.29	1.33	-644.40	-1454.16	-673.76	-1424.80	-151.36
1	64	82	-1.17	-5.92	-5.63	-1.47	1.15	-483.77	-1576.04	-917.40	-1142.42	534.42
1	64	83	1.29	-5.73	-5.43	1.00	1.42	209.33	-78.65	111.14	19.55	-136.51
1	64	84	1.58	-7.93	-7.85	1.50	0.87	1459.13	304.67	1453.90	309.89	-77.50
1	64	85	3.22	-8.35	-8.15	3.02	-1.53	1411.64	262.66	1394.06	280.24	-141.03
1	64	86	1.76	-5.18	-4.25	0.83	2.37	218.30	-27.23	111.40	79.67	-121.73
1	64	87	-1.22	-5.06	-4.65	-1.63	-1.19	108.63	-241.28	-153.47	20.82	151.71
1	64	88	-1.05	-5.19	-5.18	-1.05	4.28e-02	84.14	-425.57	-234.06	-107.38	-246.86
1	64	89	7.28	-13.12	-10.44	4.60	-6.89	2035.13	402.33	2035.04	402.42	11.77
1	64	90	10.85	-11.47	-10.13	9.51	-5.31	2007.78	334.10	1982.22	359.66	205.25
1	64	91	7.78	-7.95	-7.95	7.77	0.34	398.58	-621.57	215.59	-438.58	391.40
1	64	92	0.64	-7.08	-5.61	-0.83	-3.03	65.74	-1611.78	-485.89	-1060.15	-788.08
1	64	93	-0.28	-6.50	-5.96	-0.82	-1.76	103.33	-352.36	-234.66	-14.36	-199.45
1	64	94	-3.22	-12.99	-10.33	-5.88	-4.35	1682.70	245.74	1680.26	248.18	-59.22
1	64	95	-0.41	-6.00	-5.81	-0.59	0.99	-258.81	-2298.83	-2298.76	-258.89	-12.36
1	64	96	-0.77	-5.94	-5.76	-0.95	0.95	-94.60	-2206.99	-2206.85	-94.73	-16.88
1	64	97	-0.22	-6.00	-5.92	-0.29	0.64	-221.82	-2187.63	-2168.58	-240.87	192.57
1	64	98	6.36e-02	-5.43	-5.37	4.82e-03	0.57	2587.43	2269.46	2551.34	2305.55	100.87
1	64	99	-0.16	-3.93	-3.92	-0.16	-0.13	166.76	79.15	148.63	97.28	35.49
1	64	100	9.27	-2.56	3.81	2.91	-5.90	1263.42	75.09	1262.24	76.26	-37.37
1	64	101	-0.18	-10.53	-10.35	-0.36	1.35	1395.10	303.42	1394.13	304.39	-32.49
1	64	102	1.70	-5.86	-5.84	1.67	-0.44	191.17	-5.13	80.80	105.24	-97.38
1	64	103	-1.49	-5.94	-5.89	-1.55	0.49	-361.37	-2518.25	-2517.93	-361.69	26.29
1	64	104	-1.45	-6.39	-6.39	-1.45	-8.91e-02	218.26	-2004.99	-2002.23	215.51	-78.22
1	64	105	-5.08	-9.56	-9.07	-5.58	-1.41	-137.59	-537.29	-535.20	-139.69	28.86
1	64	106	-3.97	-7.35	-6.32	-5.00	1.56	215.08	-706.62	-430.87	-60.67	422.04
1	64	107	-5.54	-19.60	-9.02	-16.11	-6.07	2200.45	296.79	314.69	2182.55	183.73
1	64	108	-6.29	-17.36	-7.91	-15.74	-3.91	2672.83	562.91	563.05	2672.69	17.22
1	64	109	-0.25	-4.30	-4.28	-0.27	0.25	2537.60	2317.78	2503.00	2352.39	-80.06
1	64	110	-0.26	-5.27	-5.24	-0.30	0.41	-239.50	-2257.08	-2239.75	-256.84	-186.20
1	64	111	-3.20	-6.98	-6.82	-3.36	-0.76	506.47	-997.51	-227.87	-263.17	751.79
1	64	112	1.73	-1.89	1.21	-1.38	-1.27	995.95	-1139.93	-255.57	111.60	1052.04
1	64	113	-2.01	-18.84	-4.60	-16.26	-6.07	1424.88	-46.05	200.57	1178.26	549.49
1	64	114	-3.58	-11.78	-8.78	-6.58	-3.95	173.28	-660.06	-447.54	-39.24	-363.23
1	64	115	6.66e-02	-4.49	-4.46	3.45e-02	0.38	297.96	-196.76	-189.23	290.43	-60.59
1	64	116	0.79	-5.34	-5.07	0.53	1.24	210.27	-347.80	-4.64	-132.89	-271.57
1	64	117	-3.70	-11.79	-10.97	-4.52	-2.44	469.81	-929.76	-232.48	-227.46	-699.78
1	64	118	-0.36	-5.97	-5.89	-0.45	0.68	-687.58	-2861.31	-2861.31	-687.58	-0.16
1	64	119	8.67	-0.98	3.31	4.38	4.80	853.38	70.81	835.24	88.94	117.75
1	64	120	0.41	-7.57	-6.83	-0.33	-2.32	1067.84	211.94	1062.43	217.35	67.83
1	64	121	-2.29	-5.75	-5.74	-2.30	0.17	-1083.91	-2121.96	-2117.65	-1088.22	66.70
1	64	122	18.48	-13.41	-12.50	17.58	-5.29	1696.54	169.46	1572.14	293.87	417.72
1	64	123	13.18	-5.88	-4.51	11.81	4.92	775.87	-987.84	141.95	-353.92	846.28
1	64	124	15.93	-2.41	6.95	6.57	9.16	1182.77	-1045.32	80.93	56.52	1113.98
1	64	125	45.57	1.15	1.30	45.42	-2.55	1212.17	74.41	923.49	363.09	495.09
1	64	126	20.94	-19.80	15.42	-14.28	-13.94	1148.34	-64.58	302.15	781.61	557.07
1	64	127	-0.30	-4.89	-4.74	-0.45	-0.82	154.47	-258.13	-78.32	-25.35	204.59
1	64	128	-0.46	-4.53	-4.53	-0.47	-0.12	207.14	-465.33	-82.34	-175.85	332.97
1	64	129	-15.52	-16.48	-16.10	-15.89	-0.47	2195.56	285.69	297.69	2183.57	-150.88
1	64	130	-0.54	-4.59	-4.58	-0.54	-0.17	420.65	-1306.83	-1297.98	411.80	123.36
1	64	131	0.38	-5.18	-5.18	0.38	2.56e-02	212.47	-2783.43	-2783.41	212.45	7.59
1	64	132	5.19	-10.10	-9.61	4.71	2.68	1938.73	311.14	1906.95	342.91	-225.18
1	64	133	-0.24	-4.85	-4.80	-0.29	-0.47	467.79	-33.23	175.61	258.95	247.02
1	64	134	-0.53	-5.73	-5.44	-0.82	-1.20	1376.07	279.53	1358.07	297.53	139.34
1	64	135	-1.02	-6.34	-6.32	-1.04	0.27	418.47	-1167.96	-1160.88	411.39	-105.76
1	64	136	0.21	-5.91	-5.47	-0.23	-1.58	1223.97	247.64	1212.94	258.68	103.19
1	76	1	1.85	-12.21	-0.93	-9.44	-5.60	2072.54	348.94	2062.57	358.90	130.68
1	76	3	70.30	-33.77	-9.84	46.37	-43.79	698.32	-254.04	201.55	242.73	-475.73
1	76	5	28.93	-26.02	-25.90	28.81	2.64	5138.17	933.97	980.64	5091.51	-440.46
1	76	7	24.25	-17.46	-17.45	24.25	0.48	4758.36	855.20	916.85	4696.71	486.67

1	76	9	102.04	-30.66	22.15	49.23	64.95	786.30	-343.80	228.63	213.87	565.00
1	76	11	-4.43e-02	-6.15	-6.01	-0.18	0.90	2893.26	2741.69	2747.39	2887.55	-28.85
1	76	13	5.98	-7.71	5.47	-7.20	2.60	2812.20	531.55	2802.48	541.27	-148.59
1	76	15	-1.17	-6.21	-6.20	-1.17	-9.17e-02	2701.78	2469.13	2494.09	2676.82	72.00
1	76	22	0.50	-5.11	-4.79	0.18	1.30	736.94	-788.85	734.36	-786.27	-62.69
1	76	25	0.35	-3.97	-3.72	0.10	-1.00	683.52	-791.50	682.39	-790.37	40.81
1	76	31	-1.87	-5.91	-5.33	-2.45	1.41	-1336.55	-2229.24	-1426.99	-2138.80	269.37
1	76	32	0.57	-6.36	-5.48	-0.31	2.31	-989.37	-1910.09	-1084.63	-1814.83	280.42
1	76	33	-0.51	-5.29	-4.40	-1.40	1.85	-974.15	-2369.30	-1300.55	-2042.90	590.62
1	76	34	-3.03	-6.24	-5.71	-3.56	1.19	-819.67	-2067.63	-920.71	-1966.59	340.42
1	76	35	-1.00	-7.02	-6.64	-1.38	-1.46	-724.01	-1512.50	-759.11	-1477.40	162.62
1	76	36	-2.15	-6.30	-6.08	-2.37	-0.93	-687.22	-1610.94	-1134.07	-1164.09	-461.61
1	76	37	-2.85	-6.49	-5.83	-3.52	-1.41	-1425.33	-2195.27	-1485.84	-2134.77	-207.19
1	76	38	-0.93	-7.50	-6.25	-2.17	-2.57	-1065.84	-1899.04	-1151.63	-1813.25	-253.22
1	76	39	-5.41	-13.75	-9.24	-9.92	4.16	1729.70	280.23	1727.88	282.04	51.21
1	76	40	-1.98	-9.43	-9.41	-2.00	-0.37	263.42	-273.15	55.08	-64.81	261.50
1	76	41	-0.31	-8.15	-8.13	-0.33	-0.40	164.19	-316.33	160.50	-312.64	41.98
1	76	42	3.12	-11.15	-8.97	0.94	5.14	1977.95	385.46	1977.23	386.18	-33.89
1	76	43	0.32	-8.32	-7.76	-0.23	-2.12	-583.31	-1016.13	-637.89	-961.55	143.69
1	76	44	1.20	-7.90	-6.75	4.93e-02	-3.02	-589.37	-1389.87	-695.61	-1283.63	-271.59
1	76	45	-3.66	-5.41	-5.40	-3.67	0.14	-1703.33	-2051.01	-1709.81	-2044.53	47.02
1	76	46	-5.25	-5.87	-5.85	-5.27	-0.12	-1644.10	-2375.46	-1645.78	-2373.78	35.00
1	76	47	-1.57	-7.38	-6.68	-2.28	1.89	10.06	-472.03	-337.89	-124.08	216.04
1	76	48	13.27	-11.33	-10.87	12.81	3.30	1653.29	141.39	1525.48	269.20	-420.60
1	76	49	7.90	-7.08	-5.62	6.44	-4.44	767.46	-1000.84	108.41	-341.79	-855.02
1	76	50	6.57	-4.54	1.80	0.23	-5.50	1149.83	-1042.10	40.83	66.90	-1095.88
1	76	51	36.17	0.81	0.82	36.16	-0.66	1165.01	23.60	879.08	309.53	-494.58
1	76	52	-3.74	-7.80	-6.59	-4.96	-1.86	-871.35	-2028.04	-945.14	-1954.25	-282.68
1	76	53	-5.48e-02	-5.62	-5.53	-0.15	0.72	114.11	-889.90	112.21	-888.00	43.58
1	76	54	0.32	-5.57	-5.42	0.18	0.90	199.11	-417.35	-205.55	-12.69	292.76
1	76	55	0.14	-6.16	-6.13	0.11	0.37	163.15	-910.09	-895.54	148.60	-124.11
1	76	56	3.59	-8.16	-8.02	3.44	-1.31	345.21	-654.19	143.22	-452.19	-401.34
1	76	57	-1.26	-6.28	-6.27	-1.27	0.20	141.76	-1017.55	-1000.34	124.55	140.20
1	76	58	-0.63	-7.97	-7.81	-0.78	-1.05	145.08	-1009.72	-583.31	-281.33	557.31
1	76	59	-1.46	-7.88	-6.38	-2.96	-2.72	-1012.34	-2333.15	-1324.64	-2020.85	-561.21
1	76	60	3.55	-6.71	-5.96	2.81	2.67	-554.89	-1379.45	-649.06	-1285.27	262.26
1	76	61	3.61	-4.74	-3.07	1.94	3.34	94.62	-1619.07	-449.68	-1074.77	797.81
1	76	62	-0.15	-2.16	-2.16	-0.15	7.71e-02	96.63	77.85	94.73	79.74	5.65
1	76	63	-0.19	-3.03	-2.98	-0.24	0.35	448.93	-27.49	155.18	266.26	-231.64
1	76	64	-0.25	-3.55	-3.55	-0.25	-8.91e-02	325.32	-306.68	-292.60	311.24	93.26
1	76	65	0.99	-4.54	-4.54	0.99	0.13	167.57	-169.39	-72.53	70.70	152.50
1	76	66	1.14	-7.22	-7.19	1.10	0.54	182.63	-959.13	-561.86	-214.65	-543.84
1	76	67	0.95	-8.19	-7.99	0.75	-1.33	380.41	-195.63	212.38	-27.60	-261.84
1	76	68	3.16	-7.85	-7.78	3.09	-0.90	248.16	-303.65	242.89	-298.38	-53.69
1	76	69	2.57	-7.40	-7.21	2.37	1.38	-501.76	-969.26	-548.64	-922.39	-140.41
1	76	70	-0.31	-6.07	-5.86	-0.52	1.08	-92.83	-1323.09	-1152.20	-263.72	425.48
1	76	71	-0.10	-5.27	-5.22	-0.15	0.48	221.88	-897.05	206.60	-881.76	129.88
1	76	72	-0.47	-5.86	-5.68	-0.65	0.97	10.18	-1083.82	-969.70	-103.93	-334.40
1	76	73	-0.66	-4.76	-4.75	-0.67	0.22	128.58	-907.60	115.92	-894.95	-113.81
1	76	74	-0.78	-5.59	-5.59	-0.79	0.15	-94.47	-1425.59	-1264.14	-255.93	-434.57
1	76	75	-1.07	-5.75	-5.70	-1.12	0.44	-51.19	-1245.34	-1159.19	-137.34	308.97
1	76	76	-0.94	-5.37	-5.37	-0.94	7.58e-02	-27.03	-919.47	-27.17	-919.34	-10.82
1	76	77	-0.28	-6.17	-4.72	-1.73	2.54	988.73	-1106.55	-266.35	148.53	-1026.90
1	76	78	-7.56	-16.13	-7.79	-15.90	1.39	1421.37	-23.37	210.09	1187.91	-531.77
1	76	79	2.04	-22.14	-2.75	-17.35	9.64	1109.49	-110.37	226.36	772.77	-545.32
1	76	80	-0.81	-5.93	-5.77	-0.96	0.87	415.02	-1902.84	-1896.24	408.43	123.46
1	76	81	0.46	-6.53	-6.20	0.14	1.48	-635.35	-1465.85	-665.81	-1435.39	-156.10
1	76	82	-1.16	-6.04	-5.65	-1.55	1.32	-499.17	-1576.21	-947.54	-1127.84	530.93
1	76	83	0.81	-5.64	-5.40	0.56	1.24	193.55	-99.72	80.60	13.23	-142.71
1	76	84	1.50	-7.49	-7.31	1.32	1.28	1423.33	299.45	1417.56	305.22	-80.34
1	76	85	1.24	-8.07	-8.04	1.20	-0.54	1406.09	265.11	1389.10	282.10	-138.17
1	76	86	1.01	-5.53	-4.85	0.33	1.99	186.83	-53.84	63.74	69.24	-120.30
1	76	87	-0.44	-4.71	-4.04	-1.12	-1.55	130.87	-205.72	-105.99	31.14	153.70
1	76	88	-0.88	-4.96	-4.96	-0.88	-3.52e-02	97.18	-423.81	-242.87	-83.76	-248.05
1	76	89	6.53	-12.20	-10.09	4.42	-5.92	2014.14	396.44	2014.01	396.57	14.64
1	76	90	9.61	-11.03	-10.02	8.61	-4.43	1993.26	330.31	1966.92	356.65	207.65
1	76	91	7.15	-7.98	-7.96	7.12	0.61	384.64	-624.24	201.77	-441.37	388.66
1	76	92	0.74	-6.57	-5.31	-0.53	-2.76	78.67	-1611.04	-478.28	-1054.09	-794.28
1	76	93	-0.77	-6.40	-6.23	-0.94	-0.98	82.27	-373.74	-254.59	-36.88	-200.34
1	76	94	-2.21	-11.48	-9.24	-4.45	-3.97	1692.51	263.17	1690.19	265.49	-57.46
1	76	95	-0.50	-5.91	-5.82	-0.59	0.69	-258.85	-2298.74	-2298.67	-258.92	-12.01
1	76	96	-0.83	-5.88	-5.76	-0.95	0.77	-94.56	-2206.91	-2206.78	-94.70	-17.13
1	76	97	-0.25	-5.87	-5.84	-0.28	0.46	-225.28	-2196.05	-2177.68	-243.66	189.43
1	76	98	-4.67e-03	-5.24	-5.21	-3.55e-02	0.40	2581.14	2277.82	2546.60	2312.36	96.35
1	76	99	-0.18	-3.48	-3.48	-0.18	-8.99e-02	140.19	75.22	117.64	97.77	30.93
1	76	100	9.06	-2.37	3.73	2.96	-5.70	1213.97	72.78	1212.72	74.03	-37.76
1	76	101	2.17e-03	-10.11	-9.88	-0.22	1.50	1347.73	293.77	1346.53	294.96	-35.48

1	76	102	1.52	-5.53	-5.51	1.50	-0.35	183.69	-30.60	51.02	102.06	-104.06
1	76	103	-1.48	-5.95	-5.88	-1.55	0.55	-361.68	-2517.87	-2517.76	-361.78	15.24
1	76	104	-1.44	-6.21	-6.21	-1.44	1.72e-02	245.17	-1992.10	-1988.48	241.56	-89.81
1	76	105	-5.34	-9.30	-9.06	-5.58	-0.94	-138.82	-535.88	-535.23	-139.46	15.97
1	76	106	-3.35	-7.55	-6.35	-4.55	1.90	195.90	-703.14	-432.28	-74.95	412.49
1	76	107	-4.24	-18.58	-7.56	-15.25	-6.05	2224.07	310.72	327.21	2207.58	176.87
1	76	108	-6.05	-17.61	-7.90	-15.75	-4.24	2672.73	562.98	563.02	2672.69	8.98
1	76	109	-0.22	-4.47	-4.47	-0.23	7.92e-02	2543.90	2308.94	2507.73	2345.11	-84.80
1	76	110	-0.30	-5.36	-5.35	-0.31	0.23	-236.23	-2248.47	-2230.48	-254.22	-189.42
1	76	111	-3.27	-6.93	-6.67	-3.53	-0.94	493.70	-997.51	-241.17	-262.64	745.52
1	76	112	1.13	-1.92	1.10	-1.89	-0.32	980.57	-1143.26	-259.67	96.98	1046.84
1	76	113	-2.65	-19.45	-5.43	-16.67	-6.25	1440.59	-40.17	199.66	1200.75	545.54
1	76	114	-4.17	-11.59	-8.74	-7.02	-3.61	193.16	-663.41	-446.09	-24.16	-372.73
1	76	115	-2.01e-02	-4.28	-4.27	-3.96e-02	0.29	303.44	-217.21	-208.47	294.70	-66.91
1	76	116	0.54	-5.27	-5.09	0.36	1.00	208.64	-363.25	-13.93	-140.68	-278.83
1	76	117	-3.43	-12.02	-11.12	-4.33	-2.63	482.81	-929.21	-218.65	-227.76	-705.99
1	76	118	-0.41	-5.94	-5.90	-0.45	0.45	-687.63	-2861.24	-2861.23	-687.64	-2.59
1	76	119	8.80	-1.09	3.38	4.34	4.92	895.92	72.15	877.33	90.75	122.35
1	76	120	0.21	-7.87	-7.24	-0.42	-2.16	1113.71	221.25	1108.86	226.09	65.59
1	76	121	-2.27	-5.78	-5.74	-2.30	0.36	-1086.06	-2119.96	-2117.50	-1088.52	50.37
1	76	122	16.44	-13.12	-12.44	15.76	-4.42	1691.10	168.86	1564.59	295.37	420.21
1	76	123	12.27	-6.36	-4.97	10.88	4.90	768.03	-994.13	133.59	-359.69	845.86
1	76	124	15.67	-3.21	5.51	6.94	9.41	1179.29	-1048.70	83.53	47.06	1113.85
1	76	125	40.08	-0.92	-0.75	39.91	-2.66	1202.23	51.35	909.43	344.16	501.25
1	76	126	23.25	-16.69	18.37	-11.82	-13.08	1159.54	-49.32	312.44	797.78	553.58
1	76	127	0.18	-4.96	-4.77	-8.31e-03	-0.98	165.88	-233.13	-47.83	-19.42	199.00
1	76	128	-0.27	-4.54	-4.51	-0.30	-0.36	208.80	-449.87	-72.67	-168.40	325.84
1	76	129	-16.56	-17.75	-17.55	-16.76	-0.44	2171.05	271.65	284.83	2157.87	-157.65
1	76	130	-0.62	-4.92	-4.91	-0.63	-0.19	419.77	-1287.38	-1279.00	411.39	119.31
1	76	131	0.38	-5.20	-5.19	0.38	1.40e-02	212.45	-2783.38	-2783.37	212.44	3.93
1	76	132	6.36	-10.50	-9.71	5.57	3.56	1953.20	315.05	1922.30	345.95	-222.84
1	76	133	-0.21	-4.34	-4.29	-0.26	-0.45	462.15	-31.17	171.08	259.90	242.63
1	76	134	1.03	-5.55	-5.55	1.03	-0.19	1381.29	276.92	1362.61	295.59	142.38
1	76	135	-0.94	-6.04	-6.03	-0.95	0.25	419.23	-1187.41	-1179.88	411.71	-109.70
1	76	136	0.21	-6.22	-6.01	-6.46e-03	-1.15	1258.67	252.84	1248.47	263.04	100.74
1	80	1	2.72	-10.70	2.72	-10.70	-2.98e-02	2438.03	424.88	2425.64	437.27	157.43
1	80	3	30.11	-26.34	-1.46	5.23	-28.02	649.63	-195.23	246.06	208.34	-422.00
1	80	5	10.22	-30.95	-30.94	10.21	0.48	3576.34	498.19	571.14	3503.39	-468.23
1	80	7	7.23	-25.98	-25.96	7.22	-0.73	3366.00	465.36	547.62	3283.75	481.48
1	80	9	45.37	-29.08	4.00	12.29	36.99	674.97	-251.67	229.37	193.93	462.98
1	80	11	-0.70	-7.45	-5.93	-2.22	2.82	2797.36	2692.40	2711.26	2778.50	-40.30
1	80	13	2.08	-10.05	2.07	-10.04	-0.29	2378.33	408.05	2365.74	420.64	-156.97
1	80	15	-1.48	-7.08	-5.87	-2.68	-2.30	2632.82	2495.40	2516.54	2611.68	49.58
1	80	22	1.52	-0.76	1.01	-0.26	0.94	816.71	-808.55	813.18	-805.03	-75.64
1	80	25	1.83	-0.62	1.51	-0.30	-0.82	804.06	-810.69	801.63	-808.26	62.60
1	80	31	-3.89	-8.74	-7.72	-4.90	1.97	-1353.18	-2216.97	-1441.91	-2128.23	262.25
1	80	32	-1.54	-9.46	-7.59	-3.41	3.36	-1005.88	-1905.99	-1089.85	-1822.02	261.78
1	80	33	-3.34	-10.28	-8.76	-4.87	2.87	-1042.32	-2411.52	-1353.59	-2100.24	573.85
1	80	34	-5.86	-10.38	-9.81	-6.44	1.51	-850.18	-2135.49	-949.14	-2036.53	342.63
1	80	35	-1.36	-8.10	-6.72	-2.74	-2.71	-634.45	-1541.94	-674.04	-1502.35	185.36
1	80	36	-3.09	-6.95	-6.68	-3.37	-0.99	-505.56	-1502.84	-1036.18	-972.22	-497.61
1	80	37	-4.71	-8.41	-7.95	-5.17	-1.22	-1390.73	-2199.15	-1463.52	-2126.37	-231.39
1	80	38	-2.63	-9.33	-7.95	-4.00	-2.70	-1043.71	-1899.66	-1124.95	-1818.42	-250.88
1	80	39	-0.66	-8.98	-8.83	-0.81	-1.13	1683.43	300.32	1681.99	301.76	44.50
1	80	40	-1.22	-6.73	-5.78	-2.17	-2.09	301.99	-216.49	96.78	-11.27	253.55
1	80	41	0.39	-8.30	-7.36	-0.56	-2.71	192.12	-297.97	181.11	-286.96	72.62
1	80	42	2.50	-9.35	-9.32	2.46	-0.63	1968.92	379.56	1968.72	379.76	-18.04
1	80	43	-0.16	-8.98	-7.29	-1.85	-3.48	-518.31	-1002.79	-600.02	-921.08	181.41
1	80	44	-0.47	-9.84	-8.15	-2.17	-3.61	-606.97	-1360.16	-688.01	-1279.12	-233.39
1	80	45	-5.47	-7.83	-7.76	-5.54	0.41	-1715.33	-2025.35	-1717.05	-2023.64	23.01
1	80	46	-7.00	-10.12	-10.10	-7.01	0.22	-1638.18	-2453.41	-1638.54	-2453.06	16.94
1	80	47	-0.61	-9.47	-6.55	-3.54	-4.17	17.45	-441.91	-322.71	-101.75	201.37
1	80	48	6.21	-11.28	-10.85	5.78	-2.71	1698.63	171.25	1579.80	290.08	-409.12
1	80	49	2.80	-10.26	-8.58	1.13	-4.36	742.60	-1003.08	121.76	-382.24	-835.68
1	80	50	0.97	-9.11	-6.90	-1.24	-4.17	1148.11	-1086.46	72.47	-10.81	-1116.51
1	80	51	10.62	-6.89	-6.43	10.16	-2.82	1156.40	-62.15	879.15	215.10	-510.86
1	80	52	-6.35	-10.60	-10.30	-6.65	-1.09	-872.32	-2117.51	-958.76	-2031.06	-316.49
1	80	53	-0.94	-5.81	-4.75	-2.01	2.01	-5.27	-906.23	-5.90	-905.59	23.88
1	80	54	0.24	-7.31	-5.37	-1.70	3.30	37.26	-457.50	-205.81	-214.43	247.34
1	80	55	7.24e-02	-7.90	-6.06	-1.77	3.36	163.11	-925.28	-915.48	153.31	-102.82
1	80	56	1.82	-9.73	-8.62	0.71	-3.40	324.31	-619.91	157.66	-453.26	-359.98
1	80	57	-0.63	-7.69	-6.00	-2.31	-3.01	113.27	-976.18	-964.44	101.53	112.49
1	80	58	0.12	-8.53	-6.50	-1.91	-3.67	254.85	-946.20	-600.41	-90.94	543.82
1	80	59	-4.35	-10.66	-9.66	-5.35	-2.31	-1054.73	-2391.53	-1363.06	-2083.21	-563.12
1	80	60	0.95	-9.90	-7.84	-1.10	4.25	-597.35	-1358.98	-667.49	-1288.84	220.23
1	80	61	8.77e-02	-10.01	-7.90	-2.03	4.11	16.10	-1640.71	-487.55	-1137.07	762.09
1	80	62	1.17	-0.32	1.16	-0.32	3.61e-02	133.19	42.55	86.13	89.60	45.29

1	80	63	2.76	0.63	2.76	0.63	2.92e-02	454.12	31.88	217.63	268.38	-209.59
1	80	64	0.50	-1.75	-0.91	-0.34	-1.09	370.88	-294.18	-262.43	339.14	141.79
1	80	65	1.51	-3.62	-2.52	0.41	-2.11	220.53	-218.57	-74.24	76.20	206.26
1	80	66	0.96	-8.67	-6.53	-1.18	4.01	300.53	-915.50	-551.05	-63.92	-557.10
1	80	67	-0.41	-6.66	-5.74	-1.34	2.22	330.39	-211.72	116.54	2.13	-264.95
1	80	68	1.51	-8.40	-7.49	0.60	2.86	220.60	-294.96	207.30	-281.66	-81.72
1	80	69	0.97	-9.11	-7.26	-0.89	3.90	-470.08	-988.51	-555.77	-902.82	-192.57
1	80	70	-0.53	-4.02	-3.43	-1.11	1.30	-112.49	-1348.17	-1166.28	-294.38	437.81
1	80	71	-0.56	-3.70	-3.01	-1.25	1.30	222.89	-932.73	214.47	-924.31	98.25
1	80	72	-1.75	-5.18	-4.82	-2.11	1.06	-185.03	-1145.96	-1022.31	-308.67	-321.75
1	80	73	-0.97	-3.39	-2.82	-1.54	-1.02	177.04	-939.21	168.61	-930.77	-96.67
1	80	74	-0.98	-3.56	-3.30	-1.25	-0.79	-103.87	-1402.42	-1213.32	-292.97	-458.03
1	80	75	-2.30	-4.79	-4.72	-2.38	-0.42	-242.62	-1191.02	-1084.95	-348.69	298.91
1	80	76	-1.61	-5.48	-4.59	-2.49	-1.62	-103.53	-919.76	-103.91	-919.37	-17.72
1	80	77	-4.34	-10.12	-10.11	-4.35	-0.24	861.98	-1227.82	-285.49	-80.35	-1039.85
1	80	78	-8.28	-18.00	-13.71	-12.57	4.83	1634.19	60.44	274.37	1420.26	-539.36
1	80	79	3.36	-12.21	0.61	-9.46	5.93	1151.30	-107.62	237.30	806.37	-561.48
1	80	80	-1.78	-6.51	-5.82	-2.48	1.67	352.37	-1915.48	-1912.75	349.64	78.64
1	80	81	-0.48	-8.34	-6.63	-2.20	3.25	-565.90	-1516.74	-603.23	-1479.41	-184.66
1	80	82	-2.42	-7.41	-6.61	-3.21	1.82	-427.77	-1505.32	-980.46	-952.63	538.59
1	80	83	0.95	-6.67	-4.25	-1.47	3.54	204.56	-215.24	7.42	-18.10	-209.51
1	80	84	3.70	-9.91	-6.33	0.12	5.99	1327.52	286.47	1316.84	297.14	-104.90
1	80	85	-1.12	-12.19	-7.16	-6.15	5.51	1384.55	250.25	1367.67	267.13	-137.33
1	80	86	0.14	-8.84	-6.37	-2.33	4.01	133.51	-141.48	-10.31	2.34	-137.35
1	80	87	-0.16	-8.90	-6.14	-2.92	-4.06	131.47	-197.57	-41.81	-24.28	164.29
1	80	88	-0.28	-7.26	-5.23	-2.30	-3.17	-55.55	-478.66	-266.95	-267.26	-211.55
1	80	89	3.31	-9.41	-9.36	3.27	0.76	1978.71	382.43	1978.65	382.49	9.84
1	80	90	4.90	-10.22	-9.95	4.63	2.00	1988.74	330.08	1965.02	353.80	196.91
1	80	91	3.38	-9.86	-8.68	2.20	3.77	338.09	-604.80	181.01	-447.72	351.33
1	80	92	-1.62	-10.35	-8.98	-2.99	-3.17	15.24	-1632.81	-498.36	-1119.22	-763.32
1	80	93	0.11	-9.58	-6.69	-2.78	4.44	36.08	-407.49	-290.05	-81.36	-195.71
1	80	94	0.58	-8.80	-8.64	0.43	1.19	1698.32	309.12	1696.49	310.95	-50.41
1	80	95	-0.89	-3.43	-3.40	-0.93	0.30	-310.15	-2271.89	-2271.81	-310.23	-12.50
1	80	96	-1.87	-4.80	-4.75	-1.92	0.37	-206.99	-2160.03	-2159.99	-207.03	-8.85
1	80	97	-8.43e-02	-1.65	-1.40	-0.33	0.57	-213.48	-2178.62	-2162.67	-229.43	176.30
1	80	98	0.11	-1.62	-1.00	-0.51	0.83	2702.81	2420.86	2689.84	2433.84	59.07
1	80	99	0.68	-0.33	0.68	-0.33	5.33e-02	102.08	24.68	27.91	98.85	-15.47
1	80	100	7.29	-1.32	3.22	2.75	-4.30	992.05	57.80	988.40	61.45	-58.26
1	80	101	1.54	-9.47	-7.84	-9.32e-02	3.91	1170.87	253.40	1166.01	258.27	-66.63
1	80	102	1.53	-3.56	-2.83	0.79	1.79	215.28	-156.24	-34.77	93.81	-174.28
1	80	103	-2.80	-5.75	-5.71	-2.85	0.36	-383.93	-2504.49	-2504.46	-383.96	8.53
1	80	104	-2.43	-6.02	-5.70	-2.75	-1.02	292.06	-1951.42	-1949.71	290.35	-61.93
1	80	105	-7.14	-14.90	-14.90	-7.15	-0.19	-263.43	-510.61	-510.47	-263.57	5.89
1	80	106	-7.68	-13.30	-13.09	-7.88	1.06	38.31	-785.35	-452.52	-294.51	404.18
1	80	107	-12.75	-18.73	-18.50	-12.98	-1.16	2445.94	380.08	395.61	2430.40	178.47
1	80	108	-12.17	-15.05	-14.56	-12.65	-1.08	2719.10	567.13	567.13	2719.10	2.84
1	80	109	-2.11e-02	-1.28	-0.69	-0.61	-0.63	2702.92	2447.13	2687.58	2462.47	-60.73
1	80	110	-0.28	-1.27	-1.20	-0.35	-0.27	-210.86	-2203.27	-2185.15	-228.98	-189.12
1	80	111	-6.67	-12.30	-11.92	-7.05	1.42	399.47	-1075.47	-383.49	-292.52	736.06
1	80	112	-3.46	-8.10	-7.63	-3.93	1.39	858.74	-1251.55	-279.94	-112.87	1051.83
1	80	113	-6.79	-16.38	-10.61	-12.57	-4.69	1658.16	70.53	288.75	1439.94	546.66
1	80	114	-7.74	-14.46	-14.14	-8.06	-1.43	38.08	-761.32	-454.06	-269.18	-388.87
1	80	115	0.52	-1.93	-1.17	-0.24	1.13	358.70	-263.10	-234.58	330.18	-130.08
1	80	116	0.42	-5.00	-3.62	-0.96	2.36	267.87	-460.83	-22.25	-170.71	-356.71
1	80	117	-7.10	-14.15	-13.88	-7.37	-1.34	403.65	-1039.03	-368.83	-266.54	-719.52
1	80	118	-0.20	-1.24	-1.20	-0.24	0.20	-683.01	-2837.98	-2837.95	-683.04	-8.30
1	80	119	7.59	-1.19	2.40	4.00	4.32	826.86	71.45	803.35	94.95	131.15
1	80	120	2.03	-8.94	-6.34	-0.57	-4.66	1075.83	210.93	1066.20	220.56	90.75
1	80	121	-3.82	-6.62	-6.53	-3.90	0.47	-1002.96	-2145.05	-2144.59	-1003.42	22.85
1	80	122	7.76	-11.73	-11.43	7.45	2.42	1713.99	180.89	1594.31	300.57	411.28
1	80	123	5.25	-10.25	-8.07	3.08	5.39	726.73	-1004.61	120.67	-398.55	825.82
1	80	124	4.85	-8.79	-4.42	0.48	6.36	1161.37	-1095.14	83.15	-16.92	1127.14
1	80	125	15.44	-5.53	-5.20	15.11	2.60	1177.92	-34.77	899.90	243.25	509.77
1	80	126	7.56	-10.79	5.33	-8.57	-5.99	1162.11	-103.17	253.00	805.94	569.03
1	80	127	0.72	-6.68	-4.03	-1.94	-3.55	210.15	-284.72	-36.86	-37.72	247.44
1	80	128	6.28e-02	-4.83	-3.44	-1.33	-2.21	271.72	-509.49	-54.33	-183.44	385.23
1	80	129	-13.51	-20.67	-20.66	-13.52	-0.24	2418.46	371.41	385.34	2404.53	-168.30
1	80	130	2.09	6.00e-02	2.08	6.07e-02	3.98e-02	426.76	-1199.87	-1188.91	415.79	133.11
1	80	131	2.20	8.62e-02	2.20	8.62e-02	7.15e-03	214.18	-2748.54	-2748.54	214.18	-2.80
1	80	132	4.06	-10.10	-9.78	3.74	-2.08	1973.72	325.84	1948.02	351.53	-204.17
1	80	133	2.12	0.61	2.11	0.61	-7.88e-02	450.46	27.78	214.06	264.18	209.85
1	80	134	-1.78	-12.15	-7.10	-6.83	-5.18	1351.10	236.78	1331.75	256.13	145.56
1	80	135	1.58	-7.79e-02	1.58	-7.78e-02	-1.27e-02	427.13	-1166.49	-1154.82	415.45	-135.88
1	80	136	3.04	-10.09	-6.08	-0.96	-6.05	1267.32	264.75	1252.87	279.20	119.50
1	84	1	2.77	-11.84	2.77	-11.84	0.16	2704.40	476.97	2693.23	488.15	157.35
1	84	3	33.01	-27.48	-1.40	6.93	-29.96	679.42	-209.33	255.40	214.70	-443.91
1	84	5	12.49	-35.54	-35.52	12.47	0.99	3899.24	544.13	616.69	3826.68	-488.01

1	84	7	8.79	-29.36	-29.31	8.74	-1.36	3636.56	504.27	587.46	3553.38	503.63
1	84	9	52.14	-30.89	5.44	15.81	41.19	711.42	-280.02	234.62	196.78	495.36
1	84	11	-0.62	-8.39	-6.74	-2.28	3.18	2746.71	2646.02	2655.59	2737.13	-29.54
1	84	13	2.01	-10.94	1.98	-10.91	-0.66	2622.86	454.58	2611.42	466.02	-157.06
1	84	15	-1.59	-7.97	-6.68	-2.87	-2.56	2539.30	2396.56	2408.88	2526.97	40.09
1	84	22	1.47	-0.90	0.85	-0.28	1.05	796.87	-830.24	791.99	-825.35	-89.01
1	84	25	1.85	-0.71	1.47	-0.33	-0.91	780.40	-832.65	777.01	-829.26	73.91
1	84	31	-4.12	-9.60	-8.44	-5.28	2.24	-1425.00	-2316.29	-1527.25	-2214.04	284.04
1	84	32	-1.40	-10.35	-8.24	-3.52	3.81	-1050.23	-1997.23	-1155.35	-1892.12	297.48
1	84	33	-3.48	-11.13	-9.45	-5.16	3.17	-1047.01	-2488.14	-1396.98	-2138.16	617.96
1	84	34	-6.38	-11.37	-10.75	-7.00	1.65	-891.94	-2196.08	-1005.19	-2082.83	367.24
1	84	35	-1.30	-9.01	-7.47	-2.84	-3.08	-729.67	-1616.36	-762.29	-1583.74	166.91
1	84	36	-3.27	-7.69	-7.41	-3.55	-1.07	-582.48	-1603.76	-1135.76	-1050.47	-508.86
1	84	37	-5.11	-9.24	-8.73	-5.62	-1.36	-1473.00	-2292.98	-1555.11	-2210.87	-246.14
1	84	38	-2.73	-10.25	-8.71	-4.27	-3.04	-1096.44	-1989.33	-1198.88	-1886.89	-284.55
1	84	39	-0.82	-10.06	-9.93	-0.96	-1.11	1855.66	332.74	1854.85	333.54	35.03
1	84	40	-1.22	-7.51	-6.52	-2.21	-2.29	310.41	-180.28	146.94	-16.81	231.28
1	84	41	0.73	-9.14	-8.10	-0.30	-3.03	220.61	-296.53	217.93	-293.85	37.16
1	84	42	2.97	-10.23	-10.21	2.95	-0.50	2131.75	411.71	2131.14	412.32	-32.52
1	84	43	9.69e-02	-9.93	-8.03	-1.80	-3.93	-581.77	-1020.35	-639.04	-963.08	147.78
1	84	44	-0.25	-10.74	-8.83	-2.15	-4.04	-614.21	-1429.84	-726.67	-1317.37	-281.21
1	84	45	-5.95	-8.60	-8.51	-6.04	0.48	-1811.95	-2115.58	-1814.53	-2113.01	27.86
1	84	46	-7.66	-11.15	-11.13	-7.68	0.24	-1701.82	-2502.15	-1702.35	-2501.63	20.47
1	84	47	-0.77	-10.64	-7.49	-3.92	-4.60	17.23	-413.58	-286.91	-109.44	196.29
1	84	48	7.90	-11.74	-11.36	7.52	-2.70	1795.41	181.81	1668.07	309.15	-435.04
1	84	49	3.48	-10.78	-9.03	1.72	-4.68	808.60	-1056.75	135.40	-383.55	-895.86
1	84	50	1.19	-9.26	-7.19	-0.88	-4.17	1217.38	-1134.18	78.99	4.21	-1175.19
1	84	51	12.91	-6.86	-6.43	12.48	-2.87	1214.93	-61.90	922.03	231.00	-536.83
1	84	52	-6.95	-11.70	-11.37	-7.28	-1.20	-920.03	-2172.96	-1017.40	-2075.60	-335.42
1	84	53	-1.02	-6.60	-5.48	-2.14	2.23	-90.27	-972.42	-90.88	-971.81	23.04
1	84	54	0.25	-8.29	-6.26	-1.78	3.64	-23.37	-500.03	-259.53	-263.87	238.32
1	84	55	0.22	-8.87	-6.91	-1.75	3.74	113.70	-967.92	-959.32	105.10	-96.07
1	84	56	2.41	-10.46	-9.24	1.19	-3.76	381.13	-660.68	181.42	-460.96	-410.09
1	84	57	-0.66	-8.65	-6.86	-2.45	-3.33	48.50	-1030.67	-1020.00	37.84	106.75
1	84	58	0.37	-9.53	-7.27	-1.89	-4.15	193.84	-976.70	-662.10	-120.75	518.91
1	84	59	-4.69	-11.68	-10.59	-5.77	-2.53	-1062.60	-2464.71	-1409.41	-2117.90	-604.97
1	84	60	1.52	-10.73	-8.43	-0.79	4.79	-603.24	-1425.96	-700.58	-1328.63	265.72
1	84	61	0.50	-10.64	-8.32	-1.82	4.52	46.83	-1715.72	-510.66	-1158.23	819.64
1	84	62	1.43	-0.23	1.42	-0.22	0.14	170.16	50.77	125.48	95.45	57.78
1	84	63	2.95	0.67	2.95	0.68	5.93e-02	450.05	15.76	188.12	277.69	-212.48
1	84	64	0.40	-2.01	-1.23	-0.38	-1.13	389.06	-341.74	-303.29	350.61	163.17
1	84	65	1.58	-4.24	-3.09	0.43	-2.32	257.54	-227.65	-53.70	83.59	232.68
1	84	66	1.41	-9.63	-7.28	-0.95	4.52	251.13	-939.25	-599.45	-88.67	-537.62
1	84	67	-0.18	-7.35	-6.43	-1.10	2.40	344.22	-176.65	168.06	-0.49	-246.43
1	84	68	2.18	-9.18	-8.22	1.22	3.16	252.10	-292.19	247.43	-287.52	-50.21
1	84	69	1.50	-10.01	-7.95	-0.56	4.41	-522.95	-1005.56	-585.55	-942.95	-162.16
1	84	70	-0.59	-4.66	-4.07	-1.18	1.44	-151.39	-1439.41	-1258.12	-332.68	447.92
1	84	71	-0.66	-4.28	-3.61	-1.33	1.40	170.61	-979.33	163.87	-972.59	87.78
1	84	72	-1.90	-5.94	-5.58	-2.26	1.16	-272.89	-1241.73	-1117.24	-397.38	-324.21
1	84	73	-1.18	-3.90	-3.37	-1.70	-1.07	112.65	-986.17	105.85	-979.37	-86.16
1	84	74	-1.13	-4.14	-3.90	-1.36	-0.81	-139.82	-1507.06	-1316.24	-330.63	-473.79
1	84	75	-2.55	-5.51	-5.46	-2.59	-0.37	-345.32	-1297.63	-1195.62	-447.33	294.51
1	84	76	-1.85	-6.20	-5.30	-2.76	-1.76	-213.98	-988.61	-214.32	-988.26	-16.34
1	84	77	-4.50	-11.14	-11.14	-4.50	9.34e-02	932.00	-1267.92	-294.81	-41.11	-1092.62
1	84	78	-8.50	-20.37	-15.33	-13.54	5.87	1711.11	64.00	287.07	1488.04	-563.61
1	84	79	4.30	-13.80	0.74	-10.24	7.20	1210.24	-102.31	256.94	850.98	-585.21
1	84	80	-1.82	-7.35	-6.58	-2.59	1.92	292.84	-2033.86	-2030.90	289.88	82.87
1	84	81	-0.22	-9.25	-7.33	-2.14	3.70	-645.26	-1588.40	-675.48	-1558.17	-166.11
1	84	82	-2.47	-8.20	-7.31	-3.36	2.07	-487.74	-1606.52	-1065.01	-1029.25	559.10
1	84	83	0.82	-7.53	-5.03	-1.68	3.82	244.14	-220.50	39.19	-15.55	-230.70
1	84	84	3.72	-11.08	-7.21	-0.15	6.50	1498.96	322.47	1488.00	333.43	-113.02
1	84	85	-1.74	-13.64	-8.26	-7.11	5.92	1561.46	283.01	1545.35	299.12	-142.58
1	84	86	-1.92e-02	-9.93	-7.41	-2.54	4.32	162.86	-135.31	33.22	-5.67	-147.81
1	84	87	-0.39	-10.05	-7.15	-3.28	-4.42	161.42	-201.62	-2.40	-37.80	180.65
1	84	88	-0.40	-8.25	-6.10	-2.55	-3.50	-138.56	-526.90	-336.22	-329.25	-194.14
1	84	89	4.13	-10.28	-10.25	4.11	0.60	2139.76	414.65	2139.47	414.94	22.30
1	84	90	6.32	-10.84	-10.64	6.11	1.88	2123.35	353.42	2096.52	380.24	216.26
1	84	91	4.40	-10.56	-9.29	3.13	4.17	394.63	-641.81	208.17	-455.35	398.11
1	84	92	-1.61	-11.14	-9.70	-3.05	-3.41	46.09	-1708.03	-524.40	-1137.54	-821.74
1	84	93	0.15	-10.71	-7.63	-2.93	4.89	40.26	-374.64	-249.83	-84.55	-190.28
1	84	94	0.86	-9.75	-9.63	0.74	1.11	1869.05	342.79	1867.86	343.98	-42.56
1	84	95	-0.94	-4.07	-4.03	-0.99	0.37	-354.45	-2404.41	-2404.28	-354.58	-15.96
1	84	96	-1.99	-5.56	-5.50	-2.05	0.46	-288.95	-2289.52	-2289.45	-289.02	-11.54
1	84	97	-0.13	-2.06	-1.83	-0.36	0.62	-201.11	-2293.17	-2278.42	-215.86	175.06
1	84	98	1.63e-03	-1.93	-1.39	-0.54	0.87	2741.78	2511.41	2730.78	2522.41	49.13
1	84	99	0.79	-0.26	0.79	-0.26	-2.20e-02	111.63	52.72	61.31	103.04	-20.78
1	84	100	7.90	-1.48	3.73	2.69	-4.66	1117.68	61.89	1113.47	66.10	-66.51

1	84	101	1.35	-10.83	-9.00	-0.47	4.34	1324.62	285.32	1319.31	290.62	-74.07
1	84	102	1.61	-4.17	-3.45	0.89	1.91	249.73	-154.36	-7.11	102.47	-194.48
1	84	103	-2.99	-6.52	-6.46	-3.04	0.44	-470.72	-2640.90	-2640.85	-470.77	10.15
1	84	104	-2.60	-6.77	-6.44	-2.93	-1.13	216.74	-2080.51	-2078.82	215.05	-62.29
1	84	105	-7.77	-16.66	-16.65	-7.78	-0.28	-225.53	-529.71	-529.53	-225.70	7.25
1	84	106	-8.36	-14.72	-14.53	-8.54	1.07	84.92	-803.05	-467.84	-250.29	430.45
1	84	107	-14.07	-21.03	-20.72	-14.38	-1.45	2591.14	405.42	421.32	2575.25	185.73
1	84	108	-13.28	-16.99	-16.37	-13.90	-1.38	2894.28	610.05	610.06	2894.28	3.25
1	84	109	-0.19	-1.49	-1.01	-0.67	-0.63	2740.77	2543.73	2726.49	2558.01	-51.09
1	84	110	-0.34	-1.63	-1.58	-0.39	-0.25	-197.11	-2324.04	-2306.70	-214.45	-191.29
1	84	111	-7.27	-13.36	-13.03	-7.60	1.38	452.51	-1110.73	-387.61	-270.61	779.43
1	84	112	-3.60	-8.39	-8.02	-3.97	1.28	926.77	-1296.31	-288.05	-81.50	1106.73
1	84	113	-6.65	-18.36	-11.49	-13.53	-5.76	1740.73	77.11	304.98	1512.86	571.98
1	84	114	-8.41	-16.19	-15.84	-8.76	-1.62	87.18	-775.27	-470.24	-217.85	-412.35
1	84	115	0.44	-2.24	-1.55	-0.25	1.17	372.79	-302.77	-268.51	338.53	-148.22
1	84	116	0.37	-5.70	-4.32	-1.01	2.55	268.13	-513.48	-61.72	-183.63	-386.02
1	84	117	-7.77	-15.72	-15.49	-8.00	-1.35	457.43	-1068.78	-370.27	-241.08	-760.37
1	84	118	-0.23	-1.67	-1.63	-0.27	0.25	-687.17	-2976.42	-2976.37	-687.21	-10.57
1	84	119	8.05	-1.29	2.77	3.99	4.63	925.07	76.87	898.37	103.57	148.10
1	84	120	1.95	-10.21	-7.27	-0.98	-5.20	1216.75	238.02	1205.99	248.78	102.05
1	84	121	-4.09	-7.33	-7.23	-4.19	0.56	-1092.33	-2270.34	-2269.67	-1093.00	28.08
1	84	122	9.97	-12.32	-12.08	9.72	2.32	1812.79	193.74	1684.91	321.62	436.69
1	84	123	6.57	-10.72	-8.37	4.23	5.92	791.67	-1056.50	136.25	-401.08	884.17
1	84	124	5.99	-8.77	-4.08	1.30	6.88	1233.14	-1144.19	91.91	-2.96	1187.72
1	84	125	19.05	-5.18	-4.90	18.77	2.59	1241.39	-27.96	947.38	266.05	535.50
1	84	126	9.49	-12.02	6.61	-9.14	-7.33	1223.55	-96.00	276.64	850.92	594.02
1	84	127	0.56	-7.57	-4.76	-2.25	-3.86	251.75	-301.85	-12.29	-37.81	276.50
1	84	128	-7.59e-02	-5.51	-4.11	-1.48	-2.38	273.37	-573.57	-102.58	-197.62	420.80
1	84	129	-15.01	-23.43	-23.42	-15.02	-0.38	2557.28	394.36	408.41	2543.22	-173.79
1	84	130	2.02	4.35e-02	2.02	4.40e-02	3.04e-02	438.71	-1277.71	-1266.12	427.13	140.54
1	84	131	2.10	0.11	2.10	0.11	9.21e-03	221.25	-2881.05	-2881.04	221.25	-3.63
1	84	132	5.12	-10.70	-10.44	4.86	-2.02	2108.02	348.28	2078.70	377.61	-225.28
1	84	133	2.14	0.64	2.13	0.65	-0.12	447.05	11.46	185.34	273.18	213.33
1	84	134	-2.48	-13.69	-8.21	-7.97	-5.60	1527.38	268.13	1508.58	286.93	152.70
1	84	135	1.40	-0.13	1.40	-0.13	4.48e-03	439.18	-1237.78	-1225.30	426.70	-144.16
1	84	136	3.02	-11.38	-6.95	-1.41	-6.65	1432.78	298.16	1417.52	313.42	130.69
M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			187.55	-49.60	-49.56	-27.57	-64.21	7177.01	-3999.27	-3999.19	-3307.40	-1584.29
					45.65	116.81	104.38			4025.89	7148.13	1602.46

Macro	Tipo	Angolo 1-X (gradi)
2	Guscio	0.0

M_G	Cmb	Nodo	N max daN/cm	N min daN/cm	N 1 daN/cm	N 2 daN/cm	N 1-2 daN/cm	M max daN	M min daN	M 1 daN	M 2 daN	M 1-2 daN
2	4	21	0.92	-4.05	-3.59	0.47	1.43	-5727.47	-6640.73	-6078.43	-6289.77	-444.23
2	4	23	19.18	3.73	14.99	7.92	6.87	-6132.13	-6567.42	-6562.25	-6137.30	-47.17
2	4	24	0.92	-4.06	-3.63	0.49	-1.40	-5770.57	-6732.02	-6176.46	-6326.14	474.86
2	4	26	19.87	3.23	15.13	7.97	-7.51	-5739.53	-6100.88	-6080.57	-5759.84	83.22
2	4	141	25.90	10.38	10.41	25.87	0.62	1982.62	332.57	1968.99	346.20	-149.37
2	4	142	103.38	13.45	64.65	52.18	-44.53	-86.18	-1163.44	-604.66	-644.96	538.25
2	4	143	33.84	-3.99	28.06	1.79	-13.61	482.59	42.95	355.12	170.42	-199.48
2	4	144	31.44	-3.76	25.94	1.74	12.79	505.09	5.09	356.18	154.01	228.65
2	4	145	104.65	14.02	65.32	53.36	44.92	-89.05	-1196.20	-624.47	-660.79	-553.28
2	4	146	-5.49	-28.70	-28.67	-5.53	0.94	2035.82	-1117.23	1917.80	-999.22	-598.49
2	4	147	25.70	10.41	10.47	25.64	-0.95	2037.36	347.66	2021.64	363.38	162.22
2	4	148	36.63	8.69	10.12	35.20	6.16	2067.63	339.03	2064.36	342.30	-75.10
2	4	149	1.95	-14.04	-13.95	1.85	-1.22	1832.54	-5492.77	-5465.84	1805.61	-443.34
2	4	150	1.92	-13.75	-13.69	1.85	1.00	1850.76	-5563.71	-5538.84	1825.89	428.71
2	4	151	20.91	12.01	18.82	14.09	-3.77	-544.96	-1838.98	-1838.81	-545.13	14.76
2	4	152	19.72	9.50	16.77	12.45	-4.63	2978.72	769.86	2745.39	1003.19	678.93
2	4	153	22.36	11.16	22.20	11.32	-1.33	3367.72	1160.03	3120.80	1406.94	695.80
2	4	154	24.81	14.86	23.90	15.76	-2.87	294.43	-1565.19	-1431.04	160.27	481.12
2	4	155	18.71	6.72	14.35	11.08	5.77	1854.68	480.71	1409.55	925.84	-643.00
2	4	156	18.65	9.17	16.70	11.12	3.83	-1188.87	-3148.71	-2326.13	-2011.45	967.20
2	4	157	20.16	12.83	18.76	14.22	2.87	-530.68	-1914.64	-1911.90	-533.42	61.47
2	4	158	19.05	10.22	16.69	12.58	3.91	2883.12	811.19	2665.47	1028.84	-635.28
2	4	159	16.29	10.41	10.41	16.29	0.10	1943.51	289.75	1903.07	330.19	-255.45
2	4	160	18.75	6.39	11.44	13.71	6.07	97.54	-1048.06	-547.01	-403.51	-568.29
2	4	161	14.88	5.39	10.30	9.96	4.74	342.87	-1503.18	-887.45	-272.86	-870.37
2	4	162	9.95	7.00	8.85	8.11	-1.43	1683.96	217.30	1607.95	293.31	-325.11

2	4	163	18.41	5.46	12.75	11.12	6.42	498.74	-1708.70	-1029.31	-180.65	-1018.89
2	4	164	15.51	8.79	13.29	11.01	3.16	580.33	-1351.19	-893.65	122.78	-821.23
2	4	165	19.07	14.98	19.00	15.05	-0.51	-1198.28	-3056.26	-3054.94	-1199.60	49.46
2	4	166	23.77	18.47	23.72	18.52	-0.51	-411.30	-2680.63	-2679.76	-412.17	44.51
2	4	167	23.53	6.75	12.95	17.32	8.10	-183.25	-1037.85	-844.89	-376.20	-357.31
2	4	168	3.13	-8.44	2.67	-7.98	-2.26	1000.21	58.63	860.07	198.78	-335.14
2	4	169	11.13	4.79	7.28	8.64	-3.10	210.68	-1483.12	-1151.00	-121.44	-672.49
2	4	170	32.10	-1.88	16.75	13.47	-16.91	63.53	-1224.09	-914.70	-245.87	-550.14
2	4	171	-3.61	-8.34	-7.88	-4.06	1.40	970.40	-35.50	657.80	277.10	-465.54
2	4	172	24.31	15.52	23.85	15.98	1.95	259.04	-1564.97	-1469.94	164.01	-405.35
2	4	173	16.50	1.66	13.91	4.25	-5.63	2196.00	439.28	447.15	2188.14	-117.27
2	4	174	21.58	2.19	14.86	8.91	-9.23	-1252.85	-1993.36	-1773.02	-1473.19	-338.54
2	4	175	22.13	3.39	14.20	11.31	-9.26	1905.68	287.91	1891.95	301.64	148.41
2	4	176	10.47	5.78	8.37	7.87	2.33	332.82	-1581.33	-1117.84	-130.68	-819.99
2	4	177	21.37	3.86	14.14	11.10	8.62	1826.73	170.15	1820.20	176.68	-103.84
2	4	178	20.03	4.52	13.35	11.20	7.68	-44.59	-2795.01	-1279.56	-1560.05	-1368.04
2	4	179	22.25	11.60	22.23	11.62	0.52	3303.94	1192.37	3071.76	1424.55	-660.58
2	4	180	16.24	8.23	13.48	11.00	-3.81	604.23	-1299.71	-809.52	114.04	832.47
2	4	181	17.38	9.39	16.64	10.14	2.33	596.35	-924.81	-669.12	340.66	568.83
2	4	182	-12.72	-62.11	-51.03	-23.81	-20.61	1182.41	-1355.77	-743.97	570.61	1085.62
2	4	183	-4.91	-27.92	-27.90	-4.93	-0.72	2146.02	-1162.68	2011.51	-1028.16	653.43
2	4	184	2.03	-3.54	0.64	-2.16	-2.41	-429.72	-3865.98	-470.18	-3825.52	370.67
2	4	185	29.75	-4.70	21.78	3.27	14.53	350.07	-1877.61	-123.14	-1404.40	911.18
2	4	186	20.69	4.00	13.32	11.38	-8.29	34.09	-2668.94	-1162.27	-1472.58	1342.58
2	4	187	19.40	5.85	11.32	13.94	-6.64	152.63	-994.98	-479.60	-362.75	570.82
2	4	188	15.54	4.98	10.30	10.21	-5.28	365.57	-1443.47	-822.93	-254.97	858.79
2	4	189	19.04	4.96	12.79	11.21	-7.00	522.96	-1648.51	-951.74	-173.81	1013.67
2	4	190	7.80	-0.38	7.12	0.30	-2.25	1467.81	-656.18	448.24	363.39	-1061.14
2	4	191	8.46	0.94	7.79	1.61	-2.14	-875.06	-3412.15	-3384.22	-902.99	-264.73
2	4	192	13.80	2.03	12.92	2.92	-3.10	-1962.89	-2375.34	-2217.11	-2121.12	200.56
2	4	193	8.16	1.04	7.52	1.67	2.03	-847.99	-3534.57	-3501.51	-881.06	296.22
2	4	194	7.49	-0.21	6.93	0.35	1.99	1438.55	-686.67	366.19	385.69	1062.57
2	4	195	13.41	2.27	12.73	2.96	2.68	-2003.81	-2512.56	-2356.54	-2159.83	-234.59
2	4	196	15.96	1.98	13.62	4.31	5.22	2223.23	282.31	292.85	2212.70	142.59
2	4	197	29.19	1.50	23.59	7.10	-11.12	317.22	-587.08	-585.98	316.12	31.49
2	4	198	35.97	-1.78	30.58	3.62	-13.21	1038.70	79.57	164.59	953.68	272.61
2	4	199	37.43	-7.67	34.01	-4.25	-11.94	867.27	-44.51	34.41	788.35	-256.38
2	4	200	17.33	5.22	15.92	6.63	-3.89	1088.67	-111.85	1077.86	-101.04	-113.41
2	4	201	19.32	6.14	14.39	11.07	-6.38	1964.58	481.63	1527.89	918.31	675.93
2	4	202	19.34	8.54	16.79	11.09	-4.58	-1200.62	-2948.57	-2171.53	-1977.66	-868.58
2	4	203	31.58	2.79	15.72	18.65	-14.32	-579.93	-989.64	-989.64	-579.93	0.19
2	4	204	49.31	9.07	11.91	46.48	-10.30	2165.62	248.06	2164.13	249.55	-53.49
2	4	205	37.34	9.03	10.45	35.92	-6.18	2162.65	354.92	2156.38	361.19	106.32
2	4	206	28.96	5.54	14.24	20.26	-11.32	-288.30	-590.88	-435.55	-443.63	151.23
2	4	207	27.66	5.86	13.83	19.69	10.50	-425.60	-579.78	-522.69	-482.69	-74.45
2	4	208	20.71	2.59	14.42	8.87	8.62	-1256.07	-2187.33	-1901.42	-1541.98	429.55
2	4	209	9.20	8.07	8.93	8.34	0.48	1708.43	229.23	1637.83	299.83	315.35
2	4	210	6.45	-0.63	6.15	-0.33	1.42	1353.95	165.15	1248.05	271.06	338.65
2	4	211	11.23	5.52	8.50	8.25	-2.85	336.46	-1541.17	-1074.83	-129.88	811.26
2	4	212	17.74	9.08	16.51	10.31	-3.02	572.60	-959.15	-733.39	346.85	-542.99
2	4	213	24.34	6.28	12.92	17.70	-8.71	-86.91	-993.18	-764.20	-315.89	393.81
2	4	214	16.14	10.32	10.43	16.03	-0.78	1977.41	303.60	1938.24	342.76	253.02
2	4	215	6.38	-0.29	6.37	-0.29	-0.13	-1535.94	-2528.64	-2528.59	-1535.98	-6.92
2	4	216	12.28	2.18	12.27	2.19	-0.23	-1501.59	-1856.44	-1855.92	-1502.11	-13.61
2	4	217	-0.33	-2.79	-2.78	-0.34	-0.15	-463.99	-4129.24	-540.07	-4053.15	-522.57
2	4	218	-1.90	-15.76	-15.73	-1.93	0.69	2402.87	-1068.55	2401.29	-1066.96	74.13
2	4	219	-13.19	-56.43	-49.95	-19.67	15.44	977.41	-1359.98	-836.92	454.36	-974.17
2	4	220	93.62	-32.35	-19.71	80.98	-37.84	1335.68	-1437.11	1259.95	-1361.38	451.93
2	4	221	82.05	14.08	19.96	76.17	-19.12	1995.47	-170.61	1869.24	-44.39	-507.43
2	4	222	24.91	-3.99	20.09	0.83	-10.77	313.23	-1773.45	-22.19	-1438.04	-766.42
2	4	223	15.76	6.49	15.75	6.50	-0.28	-1367.15	-3004.48	-3004.28	-1367.35	18.25
2	4	224	16.84	5.58	15.75	6.67	3.32	1027.58	-257.66	1008.23	-238.31	156.50
2	4	225	34.81	22.22	34.80	22.23	-0.41	134.37	-1562.40	-1561.65	133.62	35.71
2	4	226	34.36	15.31	34.08	15.59	-2.29	1080.30	-1448.46	-923.62	555.46	1025.54
2	4	227	57.77	9.51	55.39	11.90	10.46	2075.07	-10.42	228.05	1836.59	663.68
2	4	228	73.00	18.27	73.00	18.27	9.70e-02	2194.47	17.67	17.82	2194.32	18.43
2	4	229	46.48	7.98	10.88	43.57	10.17	2025.82	237.76	2021.27	242.31	90.11
2	4	230	-0.32	-2.89	-2.89	-0.32	9.84e-02	-498.74	-4155.98	-577.47	-4077.25	530.80
2	4	231	31.99	5.53	31.61	5.91	3.14	3089.93	1642.99	2714.88	2018.04	634.04
2	4	232	28.11	1.91	23.18	6.83	10.24	309.79	-569.98	-569.94	309.76	-5.69
2	4	233	33.44	-1.13	28.80	3.52	11.79	1016.03	92.63	171.58	937.08	-258.20
2	4	234	34.57	15.78	34.45	15.90	1.49	1031.61	-1405.19	-941.18	567.60	-956.76
2	4	235	1.94	-3.08	0.46	-1.60	2.29	-414.82	-3850.52	-440.43	-3824.90	-295.56
2	4	236	16.73	0.62	13.70	3.65	-6.30	1174.95	-119.98	386.09	668.89	631.84
2	4	237	32.85	5.68	32.25	6.28	-3.99	3032.60	1677.15	2680.94	2028.81	-594.13
2	4	238	-0.94	-3.56	-3.56	-0.94	-3.83e-02	-378.89	-2428.44	-378.89	-2428.44	-1.66
2	4	239	102.80	-22.37	-10.67	91.11	36.43	1031.47	-1441.67	989.64	-1399.84	-318.89

2	4	240	75.84	11.28	14.42	72.70	13.88	1857.51	-57.99	1675.37	124.15	561.89
2	4	241	17.58	10.80	17.55	10.83	-0.43	-1765.10	-2491.25	-2487.68	-1768.68	50.82
2	4	242	2.94	-6.30	2.71	-6.06	1.45	1009.59	65.26	871.46	203.39	333.71
2	4	243	11.00	5.77	7.60	9.17	2.49	206.90	-1472.69	-1136.62	-129.17	671.96
2	4	244	31.50	-1.00	16.79	13.71	16.18	67.63	-1224.92	-904.38	-252.91	558.18
2	4	245	-1.43	-8.58	-8.04	-1.96	-1.88	972.34	-35.11	667.37	269.86	462.86
2	4	246	35.90	-7.14	33.27	-4.51	10.30	863.90	-47.84	36.49	779.56	264.15
2	4	247	29.81	2.86	14.24	18.43	13.31	-555.25	-1098.24	-1086.04	-567.46	80.49
2	4	248	16.18	0.78	13.08	3.88	6.17	1125.87	-74.11	344.23	707.53	-571.84
2	4	249	59.31	9.58	56.95	11.94	-10.57	2061.90	7.02	224.41	1844.52	-632.01
2	4	250	-1.95	-15.79	-15.76	-1.98	-0.66	2355.28	-1080.55	2353.99	-1079.26	-66.53
2	4	251	0.73	-15.23	-15.23	0.73	8.49e-03	362.63	-2173.50	-2173.50	362.63	-1.09
2	4	252	6.72	-2.05	6.00	-1.33	-2.41	1329.20	159.45	1215.58	273.08	-346.41
2	34	21	7.83	-1.12	6.27	0.44	3.39	-4220.58	-4633.52	-4403.54	-4450.55	-205.13
2	34	23	10.16	2.75	10.14	2.76	0.35	-4060.03	-4453.06	-4335.33	-4177.76	-180.03
2	34	24	8.24	-0.38	7.59	0.27	-2.28	-4096.15	-4503.37	-4203.04	-4396.47	179.17
2	34	26	11.24	4.03	11.07	4.21	-1.12	-4004.76	-4386.29	-4348.17	-4042.88	114.42
2	34	141	19.36	-0.19	6.51	12.66	-9.27	1885.67	-57.82	1625.69	202.16	-661.58
2	34	142	46.32	-1.96	30.54	13.82	-22.65	1921.56	347.84	663.56	1605.84	-630.22
2	34	143	9.11	-14.63	-0.67	-4.85	-11.69	915.46	156.32	341.22	730.57	-325.84
2	34	144	7.62	-6.14	5.91	-4.43	4.54	1178.88	294.42	406.49	1066.80	-294.22
2	34	145	69.13	-13.17	61.73	-5.78	23.54	2626.24	-1792.09	-1788.33	2622.48	128.84
2	34	146	3.43	-8.47	-8.36	3.32	1.15	394.05	-2884.02	380.48	-2870.45	-210.53
2	34	147	22.17	3.32	7.34	18.15	7.72	1500.78	-473.13	992.22	35.43	863.26
2	34	148	22.10	4.76	6.45	20.42	-5.14	1941.12	61.95	1751.94	251.12	-565.42
2	34	149	0.42	-2.71	-0.37	-1.91	-1.36	2021.34	-3795.71	-3779.73	2005.36	-304.45
2	34	150	2.96	-2.42	2.42	-1.88	1.61	1899.69	-3594.25	-3586.27	1891.71	209.22
2	34	151	9.92	4.27	8.41	5.79	-2.50	211.46	-1078.82	-1072.17	204.81	-92.41
2	34	152	8.20	4.55	7.68	5.07	-1.28	2194.93	958.50	2030.40	1123.03	419.95
2	34	153	8.58	3.72	8.55	3.75	-0.36	2563.07	1549.33	2439.32	1673.07	331.86
2	34	154	11.00	4.13	8.97	6.15	-3.13	901.01	-782.81	-769.16	887.35	151.00
2	34	155	8.25	3.04	7.95	3.34	-1.21	1632.01	430.77	1226.90	835.88	-567.91
2	34	156	8.32	4.02	8.29	4.05	0.35	-465.20	-1671.33	-1206.21	-930.32	587.08
2	34	157	7.21	4.51	7.06	4.66	-0.61	354.77	-770.65	-770.60	354.72	7.45
2	34	158	7.26	1.99	6.29	2.95	-2.03	2468.96	1108.43	2273.50	1303.90	-477.21
2	34	159	15.73	-4.07	5.65	6.02	-9.90	1906.93	-172.92	1535.63	198.38	-796.49
2	34	160	10.80	0.54	6.71	4.64	-5.02	427.49	-743.80	-66.70	-249.61	-578.46
2	34	161	8.59	-3.04	4.61	0.95	-5.52	609.50	-868.87	-291.74	32.37	-721.20
2	34	162	12.78	-9.64	3.90	-0.75	-10.96	1741.51	-190.41	1261.64	289.46	-834.74
2	34	163	7.56	0.44	5.82	2.18	-3.05	948.44	-1053.35	-411.43	306.51	-934.31
2	34	164	7.55	-2.06	4.06	1.43	-4.63	968.12	-653.30	-280.53	595.35	-682.24
2	34	165	8.66	5.16	7.82	6.00	-1.49	-156.98	-1760.93	-1760.44	-157.47	-27.95
2	34	166	9.83	5.34	7.93	7.24	-2.22	582.29	-1489.28	-1487.06	580.07	-67.79
2	34	167	10.86	5.54	8.32	8.07	-2.65	253.85	-686.41	-223.66	-208.90	-470.08
2	34	168	3.10	-19.61	-2.40	-14.11	-9.73	1141.48	-186.33	683.79	271.36	-631.07
2	34	169	6.50	-10.09	-1.05	-2.54	-8.26	340.72	-536.47	-468.03	272.29	-235.26
2	34	170	15.76	-14.24	1.07	0.45	-15.00	232.47	-404.94	-378.72	206.25	126.59
2	34	171	-8.75	-19.42	-12.36	-15.81	-5.05	983.78	35.61	500.24	519.14	-473.99
2	34	172	7.96	4.29	7.34	4.91	-1.38	1082.12	-536.15	-489.07	1035.04	-271.99
2	34	173	12.11	2.05	12.10	2.06	-0.26	1191.61	-41.23	-40.75	1191.13	24.28
2	34	174	12.46	5.53	12.43	5.57	-0.48	-884.40	-1355.42	-1335.90	-903.92	-93.89
2	34	175	10.67	6.87	10.67	6.87	-5.29e-02	1176.86	-86.80	1107.04	-16.98	288.72
2	34	176	6.61	-6.51	1.81	-1.71	-6.32	524.18	-745.21	-431.22	210.19	-547.71
2	34	177	9.55	4.52	9.46	4.61	-0.67	1431.87	-45.58	1352.69	33.60	-332.73
2	34	178	7.94	3.26	7.04	4.17	-1.85	409.09	-1991.22	-645.30	-936.83	-1191.27
2	34	179	8.81	-0.62	6.43	1.76	-4.09	2819.22	1662.95	2652.82	1829.35	-405.86
2	34	180	6.60	3.39	5.78	4.22	1.41	831.13	-722.41	-357.68	466.39	658.48
2	34	181	8.42	0.22	5.63	3.01	3.88	868.13	-277.71	-185.61	776.03	311.53
2	34	182	-8.09	-35.34	-25.49	-17.95	-13.09	1524.50	21.50	159.07	1386.93	433.40
2	34	183	3.33	-3.48	-3.13	2.98	-1.50	754.80	-2492.84	702.63	-2440.68	408.27
2	34	184	8.27	-1.73	6.65	-0.11	-3.68	-323.13	-2512.54	-323.33	-2512.34	20.96
2	34	185	21.12	0.87	19.79	2.20	5.01	307.76	-1143.96	184.25	-1020.45	405.02
2	34	186	8.62	6.94	8.31	7.24	0.65	234.41	-2067.23	-841.93	-990.89	1148.41
2	34	187	12.36	5.00	8.55	8.80	3.68	70.08	-920.12	-464.99	-385.05	493.48
2	34	188	9.53	2.30	6.88	4.96	3.48	309.23	-1158.14	-739.60	-109.31	662.56
2	34	189	7.55	4.91	7.31	5.15	0.77	750.45	-1137.04	-586.24	199.66	858.05
2	34	190	10.52	0.47	10.48	0.50	0.59	631.89	-677.10	-107.96	62.76	-648.90
2	34	191	11.09	0.33	10.76	0.66	1.85	-792.43	-2427.24	-2422.93	-796.74	-83.83
2	34	192	11.91	1.17	11.90	1.18	0.21	-1309.46	-1760.05	-1646.28	-1423.22	195.75
2	34	193	10.64	0.30	10.56	0.38	-0.91	-718.99	-2229.27	-2228.16	-720.10	40.85
2	34	194	10.45	0.39	10.41	0.43	0.65	703.83	-517.25	99.77	86.81	610.51
2	34	195	11.32	0.97	11.30	0.99	0.42	-1180.65	-1679.12	-1472.02	-1387.75	-245.65
2	34	196	11.19	1.32	11.16	1.35	0.52	1292.38	163.73	167.02	1289.08	-60.93
2	34	197	13.81	-11.05	4.01	-1.25	-12.15	861.92	-252.64	-158.37	767.65	310.14
2	34	198	13.66	-11.41	5.43	-3.18	-11.77	1074.66	171.90	208.86	1037.70	178.88
2	34	199	12.95	-13.00	8.91	-8.96	-9.41	809.12	244.40	265.94	787.58	-108.17
2	34	200	11.65	3.04	11.48	3.21	-1.19	559.02	-231.57	551.75	-224.30	-75.48

2	34	201	9.18	5.05	8.94	5.29	-0.97	1407.08	310.78	1055.96	661.90	511.52
2	34	202	10.17	4.26	9.41	5.02	-1.98	-581.42	-1920.20	-1478.24	-1023.38	-629.57
2	34	203	17.27	10.10	13.44	13.93	-3.58	-428.68	-816.05	-783.58	-461.16	107.36
2	34	204	34.48	9.24	9.24	34.48	-9.68e-02	1548.08	-140.19	1292.41	115.47	605.20
2	34	205	27.17	7.04	7.93	26.28	4.14	1562.09	-253.38	1184.34	124.37	736.96
2	34	206	14.21	10.97	10.99	14.18	0.29	-163.21	-570.06	-400.27	-333.00	200.62
2	34	207	11.38	9.20	9.98	10.60	-1.05	95.51	-456.20	-92.65	-268.04	-261.54
2	34	208	11.42	3.76	11.41	3.77	0.35	-903.22	-1149.94	-1126.55	-926.61	72.27
2	34	209	15.41	-3.12	6.74	5.55	9.25	1375.54	-788.00	474.90	112.65	1066.50
2	34	210	10.70	-9.81	4.30	-3.41	9.50	1130.34	-874.98	118.39	136.97	1002.61
2	34	211	6.76	-0.78	4.31	1.67	3.53	287.80	-1103.99	-864.73	48.54	525.13
2	34	212	9.76	-6.04	3.33	0.38	-7.76	943.18	-282.25	-192.24	853.18	-319.68
2	34	213	13.39	8.34	9.32	12.41	2.00	-5.67	-884.72	-633.83	-256.56	396.99
2	34	214	18.72	2.22	8.17	12.78	7.92	1499.34	-684.96	812.45	1.94	1014.18
2	34	215	10.37	0.37	10.32	0.42	0.71	-1147.45	-1775.47	-1775.15	-1147.76	-14.04
2	34	216	11.55	0.95	11.54	0.97	0.39	-1064.55	-1268.79	-1268.14	-1065.21	-11.56
2	34	217	7.14	0.66	6.88	0.92	1.26	-639.53	-2778.58	-687.79	-2730.32	-317.64
2	34	218	6.12	4.95	6.10	4.97	-0.16	787.47	-2811.91	778.86	-2803.31	175.81
2	34	219	-11.24	-40.98	-35.20	-17.02	11.77	1933.15	-477.76	-326.17	1781.56	-585.23
2	34	220	67.62	-31.32	-25.14	61.43	-23.96	875.02	-6301.75	498.12	-5924.85	1600.90
2	34	221	62.72	16.11	18.81	60.01	-10.89	1149.91	120.73	1135.10	135.54	122.55
2	34	222	19.43	-0.56	19.25	-0.38	-1.89	25.32	-1392.82	-127.10	-1240.40	-439.23
2	34	223	11.17	2.79	11.17	2.79	-8.01e-02	-884.89	-1843.67	-1843.61	-884.95	-7.43
2	34	224	10.81	2.33	10.74	2.40	0.76	837.70	-202.57	835.96	-200.83	42.58
2	34	225	13.58	6.77	11.17	9.17	-3.25	918.55	-794.17	-790.08	914.46	-83.58
2	34	226	14.49	3.67	12.44	5.72	-4.24	1252.19	-597.82	-440.70	1095.07	515.74
2	34	227	23.11	3.19	23.04	3.26	1.20	1843.18	267.62	282.33	1828.48	151.51
2	34	228	31.59	6.22	30.58	7.23	-4.97	2087.58	125.15	170.05	2042.68	-293.43
2	34	229	27.29	7.48	7.55	27.22	-1.14	1922.89	122.70	1809.47	236.12	-437.39
2	34	230	7.55	1.03	7.54	1.04	-0.22	-525.90	-2733.63	-561.96	-2697.57	279.84
2	34	231	12.30	-0.20	12.26	-0.16	0.70	2484.43	2002.61	2167.73	2319.31	228.68
2	34	232	13.50	-4.24	9.18	7.79e-02	7.62	888.28	-190.94	-134.49	831.82	-240.29
2	34	233	13.48	-5.27	11.96	-3.75	5.12	1653.30	77.92	421.30	1309.92	-650.42
2	34	234	10.95	3.61	10.13	4.43	-2.31	1429.26	-534.29	-316.50	1211.47	-616.61
2	34	235	8.29	-3.13	4.94	0.23	5.20	-619.40	-2557.08	-620.52	-2555.95	-46.73
2	34	236	13.50	2.00	13.42	2.08	0.97	626.96	-528.43	-142.53	241.06	544.93
2	34	237	12.06	-5.12	8.64	-1.70	-6.86	2576.88	2112.12	2308.62	2380.39	-229.59
2	34	238	8.80	0.62	8.76	0.66	0.57	-501.21	-1840.90	-501.29	-1840.82	-10.03
2	34	239	69.83	-13.96	-6.86	62.74	23.32	1208.58	-4401.42	1141.60	-4334.44	-609.33
2	34	240	48.26	12.67	13.19	47.74	4.27	1646.16	362.10	1644.56	363.70	-45.27
2	34	241	9.75	4.49	9.59	4.66	-0.92	-1076.27	-1440.39	-1440.20	-1076.46	-8.42
2	34	242	5.38	-16.41	1.18	-12.22	8.59	881.28	-926.94	-140.59	94.93	896.41
2	34	243	5.54	-3.69	1.74	0.11	4.54	188.34	-905.85	-838.84	121.33	262.36
2	34	244	16.35	-7.33	5.20	3.82	11.82	172.97	-546.78	-545.18	171.37	-33.92
2	34	245	-9.76	-23.54	-11.99	-21.30	5.08	993.98	-553.19	66.94	373.84	758.21
2	34	246	25.05	-4.35	24.69	-4.00	3.21	1081.66	77.21	209.60	949.28	-339.77
2	34	247	14.14	8.91	11.84	11.22	2.60	-228.38	-567.65	-416.60	-379.43	-168.62
2	34	248	12.42	1.66	12.42	1.66	-4.23e-02	831.35	-369.36	101.25	360.75	-586.17
2	34	249	22.93	-2.86	17.65	2.43	-10.41	1952.47	76.46	366.75	1662.19	-678.46
2	34	250	8.06	5.35	8.05	5.35	-0.13	960.57	-2652.00	960.57	-2651.99	5.04
2	34	251	4.72	-2.41	4.72	-2.41	5.58e-02	1000.80	-1530.12	-1528.25	998.92	-68.88
2	34	252	8.50	-15.39	1.24	-8.12	-10.99	1432.10	-189.99	940.96	301.15	-745.28
2	35	21	0.28	-11.57	-11.44	0.15	-1.23	-3848.10	-4592.93	-4081.67	-4359.36	-345.57
2	35	23	16.99	-0.38	9.27	7.33	8.63	-4532.49	-4859.92	-4843.73	-4548.68	70.99
2	35	24	0.32	-12.73	-12.73	0.31	0.24	-4001.25	-4829.14	-4376.66	-4453.73	412.15
2	35	26	16.11	-1.42	8.62	6.07	-8.67	-4257.60	-4341.45	-4317.41	-4281.64	37.92
2	35	141	27.25	2.62	6.81	23.06	9.26	987.33	-26.09	753.50	207.74	426.96
2	35	142	91.74	14.05	53.10	52.69	-38.85	-523.18	-3595.45	-1566.97	-2551.66	1455.09
2	35	143	36.45	5.09	35.00	6.53	-6.58	135.26	-837.71	100.00	-802.46	181.82
2	35	144	32.24	-4.23e-02	26.12	6.08	12.65	199.40	-1318.64	34.35	-1153.59	472.56
2	35	145	94.15	2.07	22.61	73.61	38.33	1065.69	-3785.36	864.12	-3583.79	-968.09
2	35	146	-10.79	-30.64	-30.64	-10.79	0.11	2609.88	1160.44	2289.34	1480.98	-601.54
2	35	147	22.12	2.02	6.11	18.03	-8.10	1741.92	116.86	1463.19	395.58	-612.58
2	35	148	33.64	0.26	6.35	27.55	12.90	995.21	-67.59	770.86	156.77	433.71
2	35	149	4.41	-18.62	-18.62	4.40	-0.24	546.67	-3538.43	-3523.42	531.66	-247.18
2	35	150	4.35	-20.89	-20.89	4.35	-0.27	691.81	-3808.25	-3784.36	667.93	326.97
2	35	151	16.67	10.94	15.14	12.47	-2.54	-325.85	-963.57	-960.01	-329.40	47.45
2	35	152	17.10	7.05	13.17	10.98	-4.91	2003.61	588.06	1870.12	721.55	413.70
2	35	153	19.20	10.49	18.94	10.75	-1.48	2104.60	547.72	1962.78	689.54	447.98
2	35	154	20.91	14.29	20.82	14.37	-0.73	84.28	-961.55	-785.10	-92.18	391.67
2	35	155	19.36	1.69	10.22	10.82	8.83	1156.80	489.37	849.48	796.69	-332.67
2	35	156	16.46	6.62	12.92	10.16	4.72	-673.06	-2241.81	-1536.86	-1378.00	780.34
2	35	157	19.73	10.35	16.39	13.69	4.49	-447.69	-1354.72	-1337.89	-464.51	122.37
2	35	158	21.05	6.49	14.42	13.12	7.25	1636.92	485.36	1549.51	572.77	-304.99
2	35	159	21.97	1.95	7.48	16.44	8.95	959.46	-46.19	719.33	193.94	428.75
2	35	160	23.56	-2.10	7.89	13.57	12.52	-70.43	-656.29	-504.11	-222.61	-256.90
2	35	161	21.37	-1.42	8.08	11.88	11.24	7.77	-1014.42	-754.80	-251.86	-444.95

2	35	162	17.30	0.98	6.80	11.48	7.82	793.64	-166.31	563.17	64.16	410.03
2	35	163	22.47	-0.34	10.08	12.05	11.37	45.26	-962.97	-676.51	-241.20	-454.70
2	35	164	20.95	3.55	12.09	12.41	8.70	109.72	-770.27	-615.82	-44.73	-334.75
2	35	165	16.22	13.24	15.96	13.50	0.84	-814.86	-1819.50	-1812.75	-821.61	82.05
2	35	166	22.10	16.47	21.63	16.93	1.55	-506.30	-1701.88	-1690.18	-517.99	117.66
2	35	167	25.13	-1.46	8.53	15.14	12.87	-267.06	-711.32	-699.91	-278.48	-70.29
2	35	168	8.59	-2.82	4.06	1.71	5.58	409.44	-269.19	165.68	-25.42	325.58
2	35	169	14.86	6.43	8.71	12.58	3.75	-67.07	-1142.44	-955.78	-253.72	-407.28
2	35	170	25.09	9.12	18.56	15.66	-7.85	-87.64	-1127.68	-774.93	-440.39	-492.38
2	35	171	10.73	-4.37	-1.15	7.52	6.18	179.87	-172.25	171.95	-164.32	52.22
2	35	172	24.29	13.87	22.38	15.79	4.04	-197.79	-1142.16	-1104.62	-235.33	-184.49
2	35	173	11.84	-2.35	6.10	3.38	-6.96	1937.15	623.01	637.64	1922.53	-137.84
2	35	174	18.20	-4.70	7.11	6.40	-11.44	-534.34	-1341.94	-878.92	-997.37	-399.43
2	35	175	19.94	-3.88	7.97	8.09	-11.91	1695.94	308.92	1694.02	310.83	-51.54
2	35	176	18.62	0.50	7.86	11.26	8.90	2.13	-1122.51	-924.87	-195.52	-428.04
2	35	177	21.24	-2.41	8.96	9.87	11.82	1394.42	109.11	1377.11	126.42	148.14
2	35	178	21.95	-1.56	10.03	10.36	11.75	-148.40	-1680.21	-811.14	-1017.48	-758.92
2	35	179	23.34	10.72	21.07	12.98	4.84	1792.04	464.60	1702.05	554.59	-333.70
2	35	180	16.59	3.87	10.65	9.81	-6.35	273.00	-644.69	-446.01	74.32	377.96
2	35	181	14.55	9.53	14.44	9.64	-0.73	158.91	-572.57	-462.90	49.23	261.14
2	35	182	-8.16	-49.45	-43.36	-14.25	-14.64	197.20	-1833.69	-980.80	-655.69	1002.35
2	35	183	-9.61	-34.55	-34.54	-9.62	0.55	2280.65	835.87	2103.17	1013.35	474.26
2	35	184	-2.76	-6.17	-6.15	-2.78	0.28	16.27	-2668.48	-48.05	-2604.16	410.53
2	35	185	20.45	-9.12	8.85	2.48	14.44	319.74	-1316.09	-164.08	-832.27	746.57
2	35	186	19.64	-3.05	8.83	7.76	-11.33	119.45	-1481.59	-490.47	-871.67	777.50
2	35	187	20.09	-4.00	6.00	10.09	-11.87	315.71	-385.29	-26.79	-42.80	350.41
2	35	188	17.13	-2.75	5.87	8.51	-9.85	339.60	-661.26	-231.95	-89.72	495.35
2	35	189	18.91	-0.77	8.71	9.43	-9.83	271.66	-829.23	-425.13	-132.44	530.63
2	35	190	2.60	-4.25	-1.33	-0.32	-3.38	1510.86	-110.79	909.47	490.60	-783.31
2	35	191	4.87	-4.20	-0.69	1.35	-4.42	-137.80	-2047.95	-2019.36	-166.38	-231.92
2	35	192	7.99	-0.75	4.90	2.33	-4.18	-939.62	-1386.86	-1034.84	-1291.65	183.08
2	35	193	4.05	-3.23	-0.84	1.66	3.42	-170.06	-2378.51	-2332.57	-216.01	315.20
2	35	194	1.16	-2.87	-1.51	-0.20	1.91	1387.00	-275.61	618.11	493.28	828.96
2	35	195	7.25	0.52	5.21	2.55	3.09	-1196.20	-1527.14	-1357.16	-1366.17	-165.41
2	35	196	11.69	-1.02	6.58	4.09	6.23	1882.70	249.50	275.97	1856.23	206.24
2	35	197	25.12	9.11	24.67	9.57	-2.67	-146.17	-481.96	-480.95	-147.17	18.36
2	35	198	33.35	5.45	32.03	6.77	-5.93	339.01	-371.41	-12.49	-19.91	355.19
2	35	199	34.07	-0.42	32.80	0.85	-6.49	88.94	-234.49	-232.07	86.52	-27.88
2	35	200	11.44	2.81	9.04	5.20	-3.87	1279.34	-44.32	1275.05	-40.02	-75.28
2	35	201	16.64	1.73	9.36	9.01	-7.46	1485.48	604.45	1132.04	957.88	431.82
2	35	202	14.86	6.30	11.96	9.21	-4.05	-542.87	-1812.76	-1099.67	-1255.95	-630.11
2	35	203	24.70	-6.13	6.98	11.59	-15.24	-240.84	-397.92	-371.87	-266.89	-58.43
2	35	204	35.00	-0.52	5.77	28.71	-13.56	1654.57	-114.75	1368.80	171.02	-651.12
2	35	205	29.32	-0.66	5.34	23.32	-12.00	1694.47	73.39	1461.38	306.49	-568.80
2	35	206	25.66	-4.57	7.60	13.49	-14.83	-10.63	-238.11	-14.39	-234.36	28.98
2	35	207	27.00	-3.07	7.98	15.96	14.50	-253.84	-508.90	-421.92	-340.82	120.91
2	35	208	18.51	-3.12	7.44	7.95	10.81	-602.92	-1665.90	-1220.21	-1048.61	524.52
2	35	209	12.20	-2.14	4.10	5.96	-7.11	1688.69	-44.53	1394.70	249.46	-650.47
2	35	210	8.43	-3.72	2.48	2.23	-6.08	1509.59	-93.96	1218.56	197.07	-618.05
2	35	211	13.95	0.16	5.54	8.57	-6.73	251.59	-728.49	-442.84	-34.06	445.38
2	35	212	18.69	10.18	16.54	12.33	3.69	57.94	-610.48	-529.62	-22.92	-217.97
2	35	213	22.81	-3.50	7.62	11.69	-13.00	8.20	-368.49	-195.23	-165.06	187.74
2	35	214	15.65	-0.58	5.04	10.03	-7.72	1797.43	104.73	1496.28	405.87	-647.35
2	35	215	-0.63	-2.61	-2.18	-1.06	-0.81	-791.44	-1121.20	-1120.94	-791.71	9.32
2	35	216	4.50	1.41	4.36	1.55	-0.64	-705.20	-840.54	-705.22	-840.53	-1.49
2	35	217	-1.28	-11.06	-10.88	-1.47	-1.32	349.76	-2702.23	304.05	-2656.51	-370.70
2	35	218	-7.55	-27.33	-27.26	-7.61	1.12	2541.27	1333.60	2540.29	1334.58	-34.40
2	35	219	-6.55	-35.78	-32.61	-9.72	9.09	-150.85	-1673.21	-614.79	-1209.27	-700.74
2	35	220	61.72	-13.36	-0.54	48.91	-28.25	4360.98	719.01	1001.56	4078.43	-974.28
2	35	221	47.92	1.32	6.50	42.74	-14.65	1496.06	-599.81	1144.93	-248.69	-782.71
2	35	222	17.41	-8.40	7.12	1.89	-12.64	510.80	-904.15	270.59	-663.94	-531.22
2	35	223	9.13	5.35	9.12	5.37	-0.25	-855.62	-1533.63	-1532.39	-856.86	28.98
2	35	224	11.79	3.75	9.54	6.00	3.61	941.93	-234.97	919.95	-212.99	159.34
2	35	225	33.29	19.42	32.75	19.97	2.69	-394.26	-1110.88	-1089.02	-416.12	123.23
2	35	226	30.61	14.51	30.52	14.60	1.18	456.15	-1104.88	-605.83	-42.90	727.99
2	35	227	52.29	8.06	48.28	12.07	12.70	822.60	-541.98	-17.51	298.12	663.79
2	35	228	64.51	16.08	64.00	16.60	4.95	662.96	-301.44	-185.38	546.89	313.78
2	35	229	38.11	-0.41	6.13	31.57	14.46	968.71	-253.92	670.34	44.45	525.14
2	35	230	-1.55	-11.65	-11.64	-1.56	0.30	206.56	-2779.13	145.42	-2718.00	422.83
2	35	231	27.92	6.87	27.33	7.45	3.46	1761.37	510.81	1611.54	660.65	406.12
2	35	232	21.74	5.32	19.05	8.00	6.07	-206.93	-498.92	-488.53	-217.31	-54.08
2	35	233	28.95	1.75	23.46	7.24	10.91	-119.87	-405.18	-216.21	-308.84	134.92
2	35	234	34.24	15.18	33.23	16.20	4.29	181.28	-1073.14	-748.44	-143.42	-549.44
2	35	235	-1.28	-5.81	-4.75	-2.34	-1.92	297.22	-2591.94	268.04	-2562.76	-288.88
2	35	236	12.78	-5.36	4.52	2.90	-9.03	1143.95	372.35	787.20	729.10	384.70
2	35	237	31.77	9.23	31.66	9.33	1.56	1570.47	477.18	1435.62	612.04	-359.51
2	35	238	-1.99	-13.79	-13.76	-2.01	-0.57	443.72	-1346.09	443.66	-1346.03	10.38

2	35	239	70.42	-16.04	-6.78	61.16	26.73	2433.30	-1.70	6.93	2424.67	144.74
2	35	240	53.88	0.97	4.94	49.92	13.93	909.11	-752.89	395.87	-239.66	767.84
2	35	241	12.75	9.19	12.71	9.23	0.38	-915.18	-1317.45	-1306.65	-925.98	65.01
2	35	242	6.73	-3.95	0.54	2.24	-5.28	1311.23	-145.06	1007.87	158.31	-591.40
2	35	243	10.87	6.23	6.35	10.75	-0.76	112.94	-786.64	-565.81	-107.89	387.16
2	35	244	23.76	3.37	14.49	12.64	10.15	-78.95	-928.41	-595.89	-411.48	414.60
2	35	245	17.79	-3.94	-1.66	15.51	-6.67	763.55	-171.40	619.96	-27.81	-337.10
2	35	246	20.74	-9.04	16.08	-4.38	10.82	360.71	-617.15	-172.94	-83.49	486.88
2	35	247	25.42	-5.10	6.59	13.72	14.84	-251.41	-924.65	-849.19	-326.87	212.39
2	35	248	12.09	-3.96	4.64	3.49	8.00	868.44	305.22	512.48	661.19	-271.62
2	35	249	55.70	12.60	55.36	12.95	-3.83	489.63	-123.09	-105.54	472.08	-102.20
2	35	250	-7.99	-29.13	-29.10	-8.02	-0.78	2330.67	1152.93	2314.88	1168.72	-135.44
2	35	251	3.42	-25.01	-25.01	3.42	-4.18e-02	-543.20	-909.01	-895.80	-556.41	68.26
2	35	252	11.92	-1.14	5.33	5.44	6.53	580.99	-195.89	350.74	34.35	354.77
2	48	21	0.93	-1.41	-0.61	0.13	1.11	-3927.42	-4435.98	-4014.76	-4348.64	-191.81
2	48	23	13.09	3.01	10.27	5.83	4.53	-4446.02	-4853.71	-4852.21	-4447.52	24.67
2	48	24	1.13	-2.82	-2.17	0.47	-1.47	-4149.61	-4868.43	-4534.92	-4483.12	358.47
2	48	26	11.45	1.97	9.50	3.91	-3.83	-3858.20	-4215.75	-4039.03	-4034.92	178.76
2	48	141	21.29	7.53	7.56	21.26	0.70	702.13	-36.45	606.45	59.22	-248.02
2	48	142	74.04	4.18	56.96	21.26	-30.02	365.98	-2027.03	-1824.41	163.36	666.20
2	48	143	21.08	-0.13	20.18	0.77	-4.27	596.63	-57.40	271.55	267.68	327.01
2	48	144	18.53	-9.76	9.30	-0.54	13.26	548.82	-439.36	210.78	-101.33	468.80
2	48	145	63.23	3.08	28.12	38.19	29.65	879.16	-438.87	877.91	-437.62	40.57
2	48	146	-3.00	-15.96	-15.75	-3.21	1.62	1581.88	-1008.90	1398.58	-825.60	-664.30
2	48	147	14.93	5.07	5.89	14.12	2.72	1855.77	319.54	1838.15	337.15	163.57
2	48	148	27.62	6.40	7.29	26.73	4.25	707.97	35.43	665.15	78.25	-164.22
2	48	149	1.02	-7.09	-6.83	0.76	-1.43	1321.37	-3431.93	-3428.15	1317.59	-133.95
2	48	150	0.91	-9.33	-9.32	0.91	0.24	1438.37	-3949.12	-3917.77	1407.01	409.79
2	48	151	10.44	7.72	10.40	7.76	-0.34	92.77	-757.43	-746.04	81.38	97.75
2	48	152	9.15	5.90	9.10	5.95	-0.41	2405.76	881.62	2213.57	1073.80	505.94
2	48	153	12.36	4.27	11.55	5.07	2.42	2637.96	1189.62	2452.91	1374.67	483.50
2	48	154	13.24	8.40	12.98	8.66	1.10	715.13	-680.63	-543.44	577.94	415.53
2	48	155	13.72	3.92	9.60	8.05	4.84	1165.46	386.70	849.26	702.91	-382.44
2	48	156	13.09	5.43	11.06	7.46	3.38	-624.03	-2249.93	-1659.03	-1214.92	782.04
2	48	157	14.80	6.77	12.07	9.50	3.80	-80.66	-1323.33	-1294.52	-109.47	187.02
2	48	158	14.49	5.38	10.82	9.05	4.47	1808.71	756.50	1704.49	860.72	-314.33
2	48	159	15.76	8.21	8.24	15.73	0.45	687.00	-123.91	522.14	40.95	-326.35
2	48	160	14.58	5.59	8.60	11.57	4.25	-103.43	-902.92	-646.62	-359.74	-373.12
2	48	161	12.21	4.45	7.75	8.91	3.83	96.97	-1215.97	-900.93	-218.06	-560.69
2	48	162	9.97	6.82	7.10	9.69	-0.90	558.98	-207.22	304.63	47.13	-360.81
2	48	163	13.98	3.53	8.77	8.74	5.22	353.45	-1111.32	-731.91	-25.96	-641.71
2	48	164	12.41	4.83	8.79	8.45	3.79	441.39	-791.29	-564.12	214.23	-477.93
2	48	165	12.19	8.41	11.36	9.24	1.57	-428.75	-1796.29	-1780.52	-444.52	146.01
2	48	166	15.44	9.88	13.88	11.44	2.49	126.39	-1597.08	-1574.31	103.63	196.75
2	48	167	17.07	6.05	9.17	13.96	4.96	-238.69	-940.79	-863.69	-315.79	-219.51
2	48	168	3.21	-5.27	2.82	-4.88	-1.77	261.89	-404.30	-137.46	-4.94	-326.44
2	48	169	6.47	5.14	5.15	6.46	-8.74e-02	29.33	-1087.30	-982.86	-75.11	-325.14
2	48	170	19.93	1.40	11.62	9.71	-9.22	-53.59	-761.37	-696.09	-118.86	-204.79
2	48	171	-6.35	-7.50	-6.36	-7.49	0.11	447.20	-302.51	38.80	105.89	-373.35
2	48	172	17.54	8.17	15.02	10.69	4.16	370.97	-994.28	-990.20	366.90	-74.44
2	48	173	10.42	0.66	9.13	1.95	-3.31	1561.36	515.27	515.74	1560.89	22.23
2	48	174	13.06	1.40	9.93	4.54	-5.17	-758.71	-1027.03	-873.37	-912.37	-132.73
2	48	175	12.10	2.58	8.80	5.88	-4.53	1641.72	189.38	1606.29	224.81	224.06
2	48	176	9.36	3.71	6.20	6.88	2.81	109.45	-1221.97	-1016.61	-95.92	-480.89
2	48	177	14.69	3.67	9.96	8.40	5.45	1119.89	-25.65	1118.31	-24.07	-42.57
2	48	178	14.39	3.89	9.32	8.96	5.25	-44.54	-1959.67	-945.66	-1058.55	-955.90
2	48	179	15.63	7.05	14.33	8.35	3.08	2098.11	1067.85	2019.68	1146.28	-273.23
2	48	180	6.85	4.26	6.68	4.42	0.63	746.34	-606.32	-259.22	399.25	590.79
2	48	181	11.10	0.37	7.79	3.68	4.96	662.34	-363.86	-239.36	537.84	335.06
2	48	182	-9.13	-44.30	-37.01	-16.42	-14.26	1016.03	-1380.19	-976.65	612.49	896.74
2	48	183	-2.12	-19.28	-19.27	-2.13	0.32	1130.52	-1106.73	1118.65	-1094.87	162.51
2	48	184	2.05	-3.03	0.14	-1.11	-2.46	-470.56	-2622.80	-513.81	-2579.54	302.03
2	48	185	19.30	-2.41	14.07	2.82	9.29	24.20	-1413.09	-376.60	-1012.28	644.54
2	48	186	10.04	2.90	7.57	5.37	-3.39	398.05	-1709.37	-459.71	-851.61	1035.33
2	48	187	7.68	4.74	6.07	6.35	-1.46	512.04	-510.71	115.73	-114.40	498.26
2	48	188	4.85	3.29	4.81	3.34	-0.25	592.85	-677.28	-110.41	25.97	631.39
2	48	189	7.91	3.66	6.83	4.75	-1.85	753.61	-912.06	-308.79	150.34	800.57
2	48	190	6.06	-0.64	5.42	2.30e-03	-1.97	1074.51	-242.64	575.34	256.52	-638.99
2	48	191	6.18	0.27	5.90	0.55	-1.24	-476.16	-1995.26	-1992.03	-479.39	-69.97
2	48	192	9.09	0.90	8.51	1.48	-2.09	-968.15	-1480.54	-1143.22	-1305.48	243.01
2	48	193	5.51	1.25	5.43	1.33	0.59	-511.07	-2562.53	-2534.50	-539.11	238.18
2	48	194	5.13	0.25	5.10	0.28	0.36	949.61	-609.35	81.89	258.36	774.47
2	48	195	9.17	1.65	8.98	1.84	1.18	-1353.91	-1742.95	-1661.30	-1435.56	-158.43
2	48	196	10.62	2.10	9.53	3.20	2.86	1497.09	-59.76	-50.16	1487.49	121.92
2	48	197	18.14	3.35	16.61	4.88	-4.50	423.89	-359.27	-317.56	382.18	175.86
2	48	198	22.89	0.37	21.90	1.36	-4.62	1096.79	-137.31	230.35	729.13	564.41
2	48	199	29.58	-1.84	29.00	-1.26	-4.20	633.75	-80.55	-14.89	568.09	206.37

2	48	200	10.57	2.83	9.99	3.41	-2.04	1140.88	-47.12	1140.88	-47.12	1.47
2	48	201	9.57	4.35	8.49	5.44	-2.12	1699.51	510.99	1302.58	907.92	560.54
2	48	202	10.49	5.36	9.78	6.07	-1.76	-500.60	-1537.98	-1005.42	-1033.16	-518.51
2	48	203	19.42	2.74	10.66	11.50	-8.33	-80.42	-373.92	-152.97	-301.37	126.61
2	48	204	30.47	6.45	7.40	29.52	-4.67	2026.94	284.77	2026.23	285.48	35.14
2	48	205	21.97	5.80	5.92	21.85	-1.41	1980.35	324.82	1968.88	336.29	137.30
2	48	206	16.32	4.71	9.16	11.88	-5.65	238.22	-306.13	130.67	-198.58	216.75
2	48	207	19.13	5.28	9.49	14.93	6.37	-388.77	-597.58	-597.25	-389.10	-8.30
2	48	208	13.59	3.24	9.87	6.96	4.97	-802.81	-1637.91	-1433.03	-1007.69	359.33
2	48	209	6.48	-2.12	3.66	0.70	4.04	1577.58	266.66	1527.00	317.23	252.48
2	48	210	3.67	-7.27	1.48	-5.08	4.38	1285.72	257.07	1237.46	305.33	217.52
2	48	211	4.14	0.72	3.10	1.77	1.58	471.14	-638.23	-309.57	142.48	506.55
2	48	212	10.79	7.77	10.76	7.80	0.31	457.02	-468.29	-406.37	395.09	-231.23
2	48	213	12.34	4.82	7.85	9.32	-3.69	315.75	-464.57	-9.43	-139.38	384.71
2	48	214	9.10	2.44	5.04	6.50	3.25	1801.06	296.84	1764.83	333.07	230.60
2	48	215	5.00	-0.37	4.86	-0.23	-0.85	-388.41	-1495.34	-1491.74	-992.00	42.56
2	48	216	8.45	1.17	8.41	1.21	-0.54	-954.99	-1035.50	-1024.49	-966.00	27.66
2	48	217	0.31	-0.72	-0.35	-6.26e-02	-0.50	-96.30	-2671.49	-122.27	-2645.52	-257.30
2	48	218	0.19	-7.18	-7.00	1.05e-02	1.15	1753.88	-962.61	1738.21	-946.95	-205.69
2	48	219	-8.88	-35.10	-30.43	-13.55	10.03	634.75	-198.61	45.74	390.41	-379.37
2	48	220	60.55	-18.90	-12.54	54.18	-21.57	2136.99	-1155.42	2133.57	-1152.00	-105.97
2	48	221	53.76	11.37	14.70	50.43	-11.42	1891.32	69.25	1849.77	110.80	-272.00
2	48	222	17.09	-2.11	14.74	0.24	-6.29	558.20	-989.17	457.42	-888.38	-381.84
2	48	223	10.29	3.90	10.29	3.90	-1.72e-02	-865.73	-1716.26	-1710.30	-871.69	70.96
2	48	224	11.44	3.82	10.66	4.60	2.32	626.39	-331.32	595.31	-300.23	169.73
2	48	225	22.33	12.08	20.55	13.86	3.88	373.97	-958.08	-920.25	336.14	221.26
2	48	226	19.28	7.71	18.59	8.40	2.74	1082.16	-805.97	-407.46	683.65	770.47
2	48	227	35.47	0.51	29.68	6.30	13.00	1500.46	-232.69	215.77	1052.01	759.03
2	48	228	46.41	9.99	45.10	11.30	6.77	1499.89	-91.09	15.78	1393.02	398.26
2	48	229	33.45	5.41	7.32	31.55	7.06	618.24	6.49	614.97	9.76	-44.58
2	48	230	0.11	-1.66	-1.38	-0.16	-0.64	-315.43	-2833.73	-390.15	-2759.00	427.31
2	48	231	18.49	-0.73	16.10	1.65	6.34	2302.28	1455.79	2077.43	1680.65	373.87
2	48	232	17.13	-5.19	9.85	2.09	10.46	405.07	-310.57	-269.74	364.23	-166.00
2	48	233	19.85	-7.04	11.99	0.82	12.23	455.55	25.64	25.64	455.54	1.26
2	48	234	23.91	8.69	21.87	10.73	5.18	679.40	-749.36	-609.33	539.36	-424.81
2	48	235	2.35	-1.86	1.57	-1.08	1.64	62.85	-2523.53	62.08	-2522.76	-44.64
2	48	236	11.09	0.19	9.55	1.73	-3.80	1069.43	-62.13	486.43	520.87	565.52
2	48	237	21.46	4.49	21.36	4.59	1.27	1907.22	1403.51	1779.27	1531.46	-219.26
2	48	238	-0.17	-1.42	-1.08	-0.51	-0.55	-88.87	-1627.33	-90.66	-1625.54	52.42
2	48	239	74.35	-17.82	-7.56	64.08	28.99	-64.44	-2285.58	-553.09	-1796.93	-920.10
2	48	240	52.03	5.93	7.88	50.08	9.28	528.97	-170.40	377.84	-19.27	287.85
2	48	241	11.15	6.43	10.96	6.63	0.95	-973.74	-1419.17	-1382.72	-1010.19	122.09
2	48	242	0.31	-9.94	-1.45	-8.18	3.86	980.21	238.72	951.65	267.28	142.69
2	48	243	7.27	-3.14	1.82	2.31	5.20	273.24	-553.75	-421.45	140.94	303.17
2	48	244	19.43	-8.13	6.29	5.02	13.77	-13.60	-446.56	-422.46	-37.70	99.26
2	48	245	-3.44	-8.64	-8.62	-3.46	0.29	685.26	254.58	622.48	317.36	151.97
2	48	246	15.85	-12.23	11.21	-7.60	10.43	597.14	-73.15	108.04	415.95	297.69
2	48	247	20.06	3.13	9.55	13.64	8.22	-416.87	-1061.24	-1050.80	-427.31	81.36
2	48	248	10.26	1.86	8.99	3.13	3.02	650.68	-169.50	50.16	431.03	-363.19
2	48	249	38.38	7.78	38.36	7.80	-0.74	1258.67	98.71	100.34	1257.04	-43.47
2	48	250	-0.97	-9.65	-9.64	-0.99	0.33	1406.15	-1098.26	1357.69	-1049.80	-345.00
2	48	251	0.13	-8.27	-8.27	0.13	1.12e-02	347.80	-1278.36	-1253.56	323.01	199.25
2	48	252	5.73	1.19	4.95	1.97	-1.72	396.00	-300.95	53.25	41.80	-348.43
2	51	21	0.23	-3.19	-3.07	0.11	0.63	-3899.52	-4451.23	-4004.49	-4346.27	-216.55
2	51	23	14.05	2.28	10.06	6.26	5.57	-4479.78	-4886.39	-4881.22	-4484.95	45.54
2	51	24	0.65	-4.85	-4.66	0.45	-1.02	-4120.55	-4885.73	-4525.02	-4481.26	381.96
2	51	26	12.25	1.35	9.28	4.33	-4.86	-3918.12	-4231.32	-4072.21	-4077.23	156.58
2	51	141	22.56	6.93	7.50	21.99	2.94	595.31	70.87	582.41	83.77	-81.24
2	51	142	77.22	7.67	55.94	28.96	-32.05	-70.50	-2241.46	-1799.31	-512.65	874.29
2	51	143	24.72	1.32	23.84	2.21	-4.46	454.34	-199.74	231.41	23.19	310.02
2	51	144	21.68	-7.84	12.96	0.89	13.47	462.43	-639.39	170.51	-347.47	486.23
2	51	145	69.52	3.41	26.98	45.95	31.66	922.66	-1130.66	908.98	-1116.98	-167.04
2	51	146	-4.81	-19.30	-19.16	-4.94	1.41	1839.98	-536.89	1616.96	-313.87	-693.08
2	51	147	14.74	5.80	5.83	14.72	0.47	1809.67	360.51	1809.65	360.53	-5.00
2	51	148	28.99	5.21	7.12	27.07	6.47	622.12	84.12	621.71	84.53	-14.85
2	51	149	1.71	-9.64	-9.50	1.58	-1.23	1145.15	-3428.13	-3423.96	1140.98	-138.04
2	51	150	1.73	-12.07	-12.07	1.73	5.21e-02	1263.98	-3946.85	-3913.89	1231.03	413.07
2	51	151	11.60	8.63	11.44	8.78	-0.66	5.79	-788.39	-775.93	-6.67	98.69
2	51	152	10.43	6.54	9.98	6.99	-1.24	2338.15	818.28	2155.77	1000.66	493.90
2	51	153	13.61	5.83	13.18	6.26	1.78	2539.19	1046.99	2359.27	1226.92	485.91
2	51	154	14.91	9.74	14.74	9.91	0.91	584.86	-738.90	-584.57	430.52	424.83
2	51	155	15.24	3.34	9.78	8.80	5.93	1141.34	407.57	829.81	719.10	-362.68
2	51	156	14.01	5.67	11.53	8.14	3.81	-639.38	-2275.72	-1655.35	-1259.75	793.90
2	51	157	16.17	7.49	13.13	10.53	4.15	-168.87	-1353.62	-1324.10	-198.38	184.64
2	51	158	16.30	5.54	11.72	10.12	5.32	1742.84	689.95	1646.96	785.84	-302.92
2	51	159	17.09	7.34	8.16	16.28	2.69	554.34	28.06	515.26	67.13	-137.98
2	51	160	17.07	3.72	8.52	12.28	6.40	-114.07	-867.06	-645.68	-335.45	-343.06

2	51	161	14.78	3.02	7.91	9.88	5.80	60.44	-1192.76	-897.41	-234.91	-531.88
2	51	162	11.03	6.63	7.12	10.54	1.38	398.93	-38.41	319.94	40.58	-168.24
2	51	163	16.28	2.55	9.14	9.69	6.86	263.05	-1085.20	-738.45	-83.70	-589.30
2	51	164	14.76	4.43	9.64	9.55	5.17	349.98	-794.72	-591.26	146.53	-437.61
2	51	165	13.25	9.40	12.42	10.22	1.58	-515.02	-1804.32	-1787.78	-531.56	145.08
2	51	166	17.11	11.28	15.67	12.71	2.51	-15.78	-1625.25	-1601.03	-40.00	195.95
2	51	167	19.20	4.30	9.07	14.42	6.96	-260.42	-918.81	-865.10	-314.13	-180.22
2	51	168	3.20	-2.91	3.20	-2.90	0.12	112.33	-225.97	-95.62	-18.02	-164.64
2	51	169	8.60	5.65	6.09	8.16	1.04	-4.04	-1116.13	-995.90	-124.28	-345.33
2	51	170	21.04	3.62	13.37	11.29	-8.65	-81.71	-842.50	-725.08	-199.13	-274.85
2	51	171	-2.51	-6.02	-4.96	-3.57	1.61	311.30	-224.91	53.89	32.50	-267.89
2	51	172	19.35	9.37	16.78	11.95	4.37	226.00	-1037.24	-1031.48	220.24	-85.10
2	51	173	10.48	0.16	8.42	2.22	-4.13	1645.71	567.05	567.09	1645.67	-6.24
2	51	174	14.00	0.15	9.30	4.85	-6.56	-701.24	-1075.82	-849.69	-927.38	-183.22
2	51	175	13.65	1.21	8.57	6.29	-6.11	1666.58	231.37	1646.23	251.71	169.67
2	51	176	11.97	2.90	6.68	8.19	4.47	72.57	-1220.95	-1020.83	-127.56	-467.78
2	51	177	16.37	2.25	9.76	8.86	7.05	1158.43	3.86	1158.34	3.96	10.60
2	51	178	16.41	2.57	9.55	9.42	6.92	-88.84	-1900.54	-933.62	-1055.77	-903.79
2	51	179	17.69	7.82	15.97	9.55	3.75	2002.79	922.68	1926.59	998.88	-276.59
2	51	180	7.76	5.25	7.52	5.49	-0.74	652.56	-607.84	-287.26	331.99	548.89
2	51	181	11.53	2.57	9.22	4.88	3.92	558.31	-405.66	-280.13	432.79	324.42
2	51	182	-8.78	-44.88	-38.08	-15.59	-14.12	785.31	-1553.05	-1063.08	295.34	951.66
2	51	183	-3.87	-22.89	-22.88	-3.89	0.51	1352.13	-605.05	1333.08	-586.00	192.16
2	51	184	0.37	-3.15	-1.32	-1.46	-1.76	-384.63	-2640.04	-437.59	-2587.08	341.50
2	51	185	19.35	-3.83	12.57	2.94	10.54	64.24	-1411.55	-373.82	-973.50	674.23
2	51	186	11.95	1.62	7.79	5.78	-5.06	354.13	-1651.25	-447.73	-849.38	982.37
2	51	187	10.13	2.82	5.97	6.98	-3.62	490.80	-466.35	114.83	-90.39	467.45
2	51	188	6.86	2.36	4.97	4.25	-2.22	554.95	-654.87	-108.24	8.31	602.10
2	51	189	9.99	2.85	7.19	5.65	-3.48	663.30	-886.52	-316.23	93.02	747.40
2	51	190	4.94	-1.16	3.87	-9.03e-02	-2.32	1180.11	-193.65	675.43	311.03	-662.28
2	51	191	5.23	-0.15	4.40	0.68	-1.95	-399.31	-1978.53	-1972.43	-405.41	-97.96
2	51	192	8.59	0.71	7.65	1.66	-2.56	-939.13	-1453.16	-1096.28	-1296.01	236.82
2	51	193	4.49	0.92	3.95	1.46	1.27	-431.75	-2548.18	-2514.37	-465.57	265.38
2	51	194	3.70	4.65e-02	3.56	0.18	0.69	1047.49	-552.20	182.79	312.51	797.21
2	51	195	8.55	1.61	8.14	2.02	1.64	-1340.25	-1698.17	-1613.04	-1425.38	-152.39
2	51	196	10.71	1.61	8.85	3.47	3.67	1586.10	-12.36	1.80	1571.95	149.77
2	51	197	19.66	5.06	18.61	6.11	-3.77	286.23	-393.47	-361.40	254.16	144.11
2	51	198	25.34	1.78	24.39	2.72	-4.61	923.60	-193.39	174.74	555.47	525.05
2	51	199	30.67	-1.29	30.02	-0.64	-4.50	498.55	-115.96	-72.30	454.89	157.88
2	51	200	10.59	2.94	9.75	3.78	-2.39	1193.68	-36.67	1193.65	-36.63	-6.55
2	51	201	10.83	3.98	8.65	6.16	-3.19	1671.87	535.89	1282.63	925.12	539.13
2	51	202	11.28	5.69	10.24	6.73	-2.17	-506.72	-1573.27	-1002.65	-1077.34	-531.97
2	51	203	20.56	0.76	9.87	11.46	-9.87	-109.55	-332.74	-155.46	-286.83	90.22
2	51	204	31.15	5.26	7.05	29.36	-6.57	1960.91	267.54	1953.44	275.00	-112.17
2	51	205	22.82	4.96	5.74	22.05	-3.64	1919.94	341.25	1919.80	341.38	-14.62
2	51	206	18.28	2.64	8.79	12.13	-7.64	211.75	-276.42	133.09	-197.76	179.48
2	51	207	21.14	3.30	9.15	15.29	8.38	-383.22	-596.07	-592.53	-386.76	27.22
2	51	208	14.75	1.84	9.28	7.31	6.38	-763.22	-1667.16	-1409.05	-1021.33	408.29
2	51	209	4.62	0.53	3.67	1.48	1.73	1543.53	309.19	1540.80	311.93	58.05
2	51	210	2.41	-4.63	1.63	-3.85	2.20	1271.12	288.72	1269.71	290.13	37.27
2	51	211	3.58	3.03	3.57	3.04	-8.87e-02	434.93	-639.49	-314.90	110.34	493.34
2	51	212	12.71	8.52	12.20	9.02	1.37	352.23	-507.44	-445.79	290.58	-221.81
2	51	213	14.47	2.95	7.74	9.69	-5.68	274.23	-425.52	-13.05	-138.25	344.23
2	51	214	7.35	4.54	4.95	6.94	0.99	1756.22	357.86	1754.99	359.09	41.39
2	51	215	3.42	-0.62	3.23	-0.42	-0.86	-941.74	-1409.99	-1406.11	-945.61	42.40
2	51	216	7.52	1.24	7.48	1.29	-0.54	-915.36	-972.23	-950.79	-936.80	27.56
2	51	217	-0.19	-2.95	-2.75	-0.38	-0.71	16.39	-2669.76	-11.11	-2642.26	-270.43
2	51	218	-1.52	-11.74	-11.58	-1.68	1.27	1959.89	-444.70	1941.54	-426.35	-209.26
2	51	219	-8.53	-35.54	-31.24	-12.84	9.88	427.62	-417.90	-39.53	49.25	-420.43
2	51	220	60.12	-17.94	-11.06	53.25	-22.12	2113.94	-99.07	2056.08	-41.20	-353.13
2	51	221	52.92	9.56	13.37	49.10	-12.29	1850.51	-31.82	1769.90	48.79	-381.09
2	51	222	16.72	-3.13	13.18	0.41	-7.60	579.49	-951.77	460.63	-832.90	-409.74
2	51	223	10.02	4.24	10.02	4.24	-1.43e-02	-861.92	-1675.53	-1669.35	-868.09	70.61
2	51	224	11.52	3.88	10.43	4.98	2.68	680.69	-320.79	648.36	-288.46	176.99
2	51	225	24.94	13.70	23.37	15.28	3.90	204.05	-1001.07	-959.27	162.25	220.52
2	51	226	21.87	9.15	21.28	9.75	2.68	954.33	-879.71	-446.34	520.96	779.11
2	51	227	39.38	1.97	33.79	7.56	13.34	1353.34	-314.33	165.03	873.98	754.74
2	51	228	50.68	11.32	49.47	12.53	6.79	1315.32	-148.61	-30.72	1197.43	398.35
2	51	229	34.43	4.10	7.00	31.53	8.92	565.58	-14.89	548.50	2.19	98.08
2	51	230	-0.43	-3.85	-3.79	-0.49	-0.45	-203.41	-2831.08	-279.11	-2755.38	439.53
2	51	231	20.60	0.85	18.58	2.87	5.98	2193.15	1246.75	1983.66	1456.24	392.90
2	51	232	18.22	-3.07	11.84	3.31	9.75	267.04	-345.82	-314.27	235.49	-135.43
2	51	233	22.04	-5.36	14.49	2.19	12.24	284.79	-36.20	-30.82	279.41	41.22
2	51	234	26.50	10.15	24.57	12.08	5.28	536.12	-808.34	-648.48	376.26	-435.16
2	51	235	0.52	-1.81	0.11	-1.41	0.89	142.21	-2532.27	139.39	-2529.45	-86.87
2	51	236	11.12	-0.78	8.44	1.91	-4.97	1107.62	39.86	574.79	572.69	533.88
2	51	237	24.01	5.66	23.86	5.81	1.65	1802.51	1191.12	1685.99	1307.64	-240.13

2	51	238	-0.76	-4.12	-4.02	-0.86	-0.57	34.55	-1562.62	32.85	-1560.92	52.13
2	51	239	73.95	-17.24	-6.38	63.09	29.53	87.72	-1389.64	-579.45	-722.47	-735.21
2	51	240	51.92	4.48	6.79	49.61	10.21	553.18	-349.13	295.79	-91.74	407.42
2	51	241	11.57	7.02	11.36	7.23	0.95	-954.71	-1401.05	-1365.19	-990.58	121.34
2	51	242	-0.42	-6.88	-1.08	-6.23	1.95	993.18	250.33	992.83	250.68	-16.26
2	51	243	7.48	-0.75	2.75	3.98	4.07	243.61	-587.90	-435.61	91.32	321.62
2	51	244	20.52	-5.91	8.03	6.57	13.19	-47.79	-522.21	-451.81	-118.18	168.65
2	51	245	0.67	-7.40	-7.21	0.48	-1.22	642.82	242.82	637.50	248.13	45.82
2	51	246	17.01	-11.80	12.20	-6.99	10.75	545.55	-192.92	50.28	302.35	347.06
2	51	247	21.41	1.15	8.82	13.74	9.82	-389.33	-1072.72	-1051.90	-410.15	117.44
2	51	248	10.41	0.83	7.93	3.31	4.20	683.41	-64.69	137.66	481.06	-332.31
2	51	249	42.52	9.03	42.48	9.06	-1.05	1080.87	48.12	49.62	1079.37	-39.33
2	51	250	-2.68	-14.26	-14.26	-2.68	0.19	1615.03	-583.76	1561.25	-529.99	-339.62
2	51	251	0.89	-12.15	-12.15	0.89	9.53e-03	149.55	-1200.77	-1170.91	119.69	198.57
2	51	252	5.20	3.14	5.11	3.24	0.43	233.63	-117.29	85.80	30.54	-173.28
2	80	21	0.65	-2.94	-2.58	0.29	1.08	-4036.72	-4610.85	-4242.61	-4404.96	-275.35
2	80	23	12.44	2.32	9.70	5.05	4.49	-4350.77	-4601.98	-4589.53	-4363.22	-54.52
2	80	24	0.62	-2.89	-2.57	0.29	-1.02	-4054.18	-4660.77	-4289.85	-4425.10	295.66
2	80	26	12.92	2.06	9.84	5.14	-4.89	-4133.19	-4361.86	-4332.79	-4162.26	76.17
2	80	141	17.86	6.66	6.66	17.86	-9.79e-03	1203.38	191.17	1189.59	204.95	-117.31
2	80	142	68.58	6.49	41.82	33.25	-30.75	-49.73	-874.88	-451.70	-472.91	412.44
2	80	143	21.25	-3.25	17.17	0.84	-9.13	239.44	-54.78	220.61	-35.95	-72.01
2	80	144	19.89	-3.05	16.02	0.82	8.60	247.73	-70.70	220.42	-43.39	89.17
2	80	145	69.25	6.83	42.17	33.91	30.94	-51.65	-891.10	-462.10	-480.65	-419.62
2	80	146	-3.71	-19.52	-19.50	-3.74	0.63	1413.12	-772.95	1334.91	-694.73	-406.04
2	80	147	18.09	6.73	6.73	18.09	-0.19	1243.00	200.22	1227.71	215.50	125.34
2	80	148	24.80	5.58	6.40	23.98	3.88	1265.48	199.86	1261.40	203.94	-65.86
2	80	149	1.31	-9.56	-9.50	1.25	-0.80	1283.92	-3666.99	-3651.58	1268.51	-275.81
2	80	150	1.28	-9.28	-9.24	1.23	0.67	1294.26	-3699.75	-3685.32	1279.82	268.09
2	80	151	13.30	7.60	11.78	9.13	-2.52	-61.77	-1016.62	-1016.09	-62.29	-22.48
2	80	152	12.54	5.91	10.42	8.03	-3.09	2098.03	774.52	1950.26	922.29	416.83
2	80	153	13.88	7.12	13.75	7.25	-0.92	2333.06	1049.30	2201.05	1181.31	389.92
2	80	154	15.60	9.56	14.90	10.26	-1.93	457.23	-836.77	-777.13	397.59	271.33
2	80	155	12.03	4.14	9.09	7.08	3.81	1390.99	463.48	1038.19	816.29	-450.29
2	80	156	11.94	5.77	10.60	7.10	2.54	-570.56	-1955.14	-1371.54	-1154.16	683.71
2	80	157	12.77	8.13	11.73	9.17	1.94	-50.70	-1058.45	-1054.25	-54.90	64.91
2	80	158	12.05	6.34	10.36	8.03	2.61	2049.20	800.64	1911.50	938.33	-391.10
2	80	159	11.28	6.52	6.56	11.23	-0.47	1162.47	161.17	1127.48	196.16	-183.87
2	80	160	12.05	4.35	7.30	9.10	3.75	157.65	-679.16	-285.40	-236.11	-417.68
2	80	161	9.24	3.52	6.34	6.41	2.86	302.14	-935.16	-523.27	-109.74	-583.07
2	80	162	6.93	3.78	5.35	5.36	-1.57	969.31	119.91	912.41	176.81	-212.36
2	80	163	11.71	3.36	7.95	7.11	4.16	496.32	-1007.63	-543.97	32.66	-694.51
2	80	164	9.62	5.38	8.07	6.92	2.04	537.61	-710.47	-448.17	275.31	-508.50
2	80	165	11.94	9.70	11.89	9.75	-0.33	-488.97	-1787.16	-1786.60	-489.54	27.05
2	80	166	14.82	12.04	14.78	12.08	-0.33	31.42	-1589.01	-1588.62	31.04	24.94
2	80	167	15.37	4.67	8.43	11.61	5.11	-61.38	-644.09	-461.78	-243.69	-270.18
2	80	168	1.39	-6.77	0.83	-6.20	-2.07	488.55	59.15	424.73	122.97	-152.74
2	80	169	6.76	2.09	3.83	5.02	-2.26	131.64	-834.27	-711.91	9.28	-321.27
2	80	170	20.39	-2.53	9.81	8.05	-11.43	-53.19	-640.71	-576.82	-117.07	-182.89
2	80	171	-4.03	-6.87	-6.76	-4.14	0.57	482.07	31.44	336.10	177.41	-210.88
2	80	172	15.22	9.99	14.86	10.35	1.33	441.91	-838.90	-796.85	399.86	-228.24
2	80	173	10.73	1.09	9.10	2.72	-3.61	1559.39	295.88	298.44	1556.83	-56.78
2	80	174	14.13	1.62	9.77	5.98	-5.96	-770.21	-1287.84	-1107.41	-950.65	-246.66
2	80	175	14.45	2.35	9.32	7.48	-5.98	1411.65	135.81	1400.53	146.93	118.59
2	80	176	6.09	3.52	4.83	4.77	1.29	260.85	-931.56	-678.04	7.34	-487.87
2	80	177	13.88	2.56	9.21	7.24	5.57	1371.50	73.42	1364.90	80.01	-92.30
2	80	178	12.89	2.90	8.53	7.26	4.95	130.32	-1835.69	-728.22	-977.16	-975.10
2	80	179	13.77	7.35	13.75	7.37	0.38	2300.75	1068.65	2177.43	1191.97	-369.78
2	80	180	10.16	5.07	8.22	7.01	-2.47	551.93	-683.41	-401.84	270.35	518.22
2	80	181	10.61	5.75	10.03	6.33	1.58	510.81	-422.44	-324.25	412.63	286.34
2	80	182	-8.64	-41.88	-34.42	-16.10	-13.86	793.51	-838.76	-410.87	365.62	717.87
2	80	183	-3.31	-18.85	-18.83	-3.32	-0.48	1491.21	-801.98	1402.90	-713.67	441.26
2	80	184	1.30	-2.50	0.25	-1.45	-1.70	-166.23	-2577.71	-185.69	-2558.25	215.75
2	80	185	19.75	-3.09	14.32	2.34	9.73	284.00	-1200.28	10.09	-926.36	575.79
2	80	186	13.41	2.67	8.57	7.50	-5.34	173.29	-1770.77	-666.20	-931.28	962.95
2	80	187	12.60	4.12	7.28	9.45	-4.10	192.34	-652.15	-245.89	-213.93	421.95
2	80	188	9.74	3.37	6.37	6.74	-3.18	317.67	-902.96	-485.77	-99.51	578.95
2	80	189	12.20	3.10	8.01	7.29	-4.53	508.82	-980.90	-505.69	33.61	694.34
2	80	190	4.98	-0.31	4.58	9.05e-02	-1.39	1057.50	-380.07	400.75	276.68	-716.11
2	80	191	5.41	0.63	5.04	1.01	-1.29	-467.35	-2235.36	-2221.15	-481.56	-157.88
2	80	192	8.95	1.21	8.40	1.75	-1.98	-1159.39	-1538.60	-1340.56	-1357.44	189.42
2	80	193	5.23	0.65	4.86	1.02	1.25	-450.73	-2297.69	-2280.37	-468.05	178.03
2	80	194	4.80	-0.23	4.45	0.11	1.28	1045.05	-396.07	358.94	290.04	719.73
2	80	195	8.70	1.33	8.26	1.77	1.75	-1189.39	-1602.16	-1414.59	-1376.96	-205.53
2	80	196	10.36	1.23	8.87	2.72	3.37	1576.55	217.60	221.50	1572.66	72.65
2	80	197	18.24	0.26	14.34	4.16	-7.41	350.49	-359.92	-319.66	310.24	164.25
2	80	198	22.51	-1.99	18.73	1.79	-8.85	640.40	-33.32	98.18	508.89	267.03

2	80	199	23.18	-6.38	20.86	-4.06	-7.95	447.79	6.20	16.94	437.05	-68.02
2	80	200	11.18	3.29	10.26	4.21	-2.53	918.81	-137.57	913.40	-132.16	-75.38
2	80	201	12.48	3.82	9.15	7.15	-4.21	1444.54	459.35	1094.00	809.89	471.67
2	80	202	12.40	5.40	10.68	7.12	-3.01	-580.06	-1848.56	-1288.96	-1139.67	-629.84
2	80	203	20.98	1.99	10.21	12.76	-9.41	-361.26	-580.49	-577.72	-364.03	24.47
2	80	204	33.40	5.70	7.51	31.60	-6.83	1331.05	142.80	1330.61	143.24	-22.96
2	80	205	25.61	5.82	6.63	24.80	-3.93	1329.20	209.08	1322.86	215.43	84.08
2	80	206	19.18	3.95	9.30	13.84	-7.27	-124.52	-366.49	-207.33	-283.68	114.80
2	80	207	18.19	4.07	8.98	13.28	6.72	-206.70	-355.02	-257.29	-304.43	-70.32
2	80	208	13.50	1.79	9.42	5.86	5.58	-767.98	-1393.01	-1173.38	-987.61	298.40
2	80	209	6.67	4.51	5.42	5.76	1.07	988.39	127.46	934.80	181.05	208.01
2	80	210	4.03	-1.23	3.39	-0.59	1.71	733.72	101.78	668.47	167.02	192.28
2	80	211	6.62	3.42	4.93	5.12	-1.60	263.85	-910.39	-653.78	7.24	485.25
2	80	212	10.86	5.44	9.94	6.35	-2.03	499.15	-444.95	-360.93	415.13	-268.82
2	80	213	16.05	4.48	8.47	12.05	-5.50	-3.07	-622.27	-414.53	-210.81	292.36
2	80	214	11.41	6.60	6.60	11.40	9.95e-02	1188.53	169.74	1154.37	203.90	183.42
2	80	215	4.07	-0.32	4.07	-0.32	-5.44e-02	-969.72	-1448.06	-1448.05	-969.73	-2.36
2	80	216	7.95	1.26	7.95	1.26	-0.13	-951.65	-987.89	-986.68	-952.87	-6.52
2	80	217	-0.27	-2.00	-2.00	-0.27	-2.82e-02	-145.38	-2739.91	-191.87	-2693.42	-344.17
2	80	218	-1.29	-10.61	-10.58	-1.32	0.48	1661.66	-736.45	1659.58	-734.36	70.70
2	80	219	-9.00	-38.27	-33.90	-13.37	10.43	653.85	-838.19	-470.48	286.14	-642.99
2	80	220	64.03	-21.70	-12.84	55.17	-26.10	806.59	-979.96	749.84	-923.21	313.31
2	80	221	55.21	8.82	12.66	51.38	-12.77	1225.03	-141.59	1140.02	-56.57	-330.08
2	80	222	16.53	-2.59	13.19	0.76	-7.26	265.15	-1145.58	71.74	-952.17	-485.22
2	80	223	10.15	4.08	10.14	4.08	-0.17	-870.76	-1688.14	-1688.00	-870.91	10.78
2	80	224	10.86	3.49	10.14	4.20	2.18	887.27	-216.22	877.95	-206.91	100.96
2	80	225	21.97	14.56	21.96	14.57	-0.28	249.50	-939.88	-939.55	249.17	19.83
2	80	226	21.68	9.96	21.48	10.16	-1.53	815.05	-812.23	-523.27	526.09	621.87
2	80	227	37.29	6.04	35.66	7.67	6.95	1216.57	-20.86	132.41	1063.30	407.65
2	80	228	47.29	11.91	47.29	11.91	-6.92e-03	1294.87	-7.74	-7.66	1294.79	10.18
2	80	229	31.22	5.02	6.84	29.40	6.66	1241.65	138.54	1239.90	140.29	43.87
2	80	230	-0.26	-2.05	-2.05	-0.26	3.72e-02	-159.82	-2756.23	-208.27	-2707.79	351.33
2	80	231	20.06	3.38	19.80	3.65	2.08	2064.87	1314.74	1889.63	1489.98	317.40
2	80	232	17.58	0.58	14.12	4.04	6.84	340.48	-344.73	-311.51	307.26	-147.18
2	80	233	21.04	-1.58	17.71	1.75	8.02	627.17	-24.09	102.54	500.54	-257.75
2	80	234	21.76	10.23	21.68	10.31	0.99	790.89	-789.33	-532.47	534.02	-583.03
2	80	235	1.26	-2.22	9.52e-02	-1.06	1.64	-164.48	-2571.11	-176.24	-2559.36	-167.80
2	80	236	10.90	0.55	8.97	2.49	-4.03	875.59	-68.17	322.34	485.08	464.82
2	80	237	20.57	3.40	20.15	3.82	-2.65	2033.57	1334.76	1872.12	1496.21	-294.55
2	80	238	-0.67	-2.50	-2.50	-0.67	2.37e-03	-28.81	-1593.43	-28.81	-1593.43	0.18
2	80	239	70.10	-14.97	-6.82	61.95	25.03	608.77	-989.39	574.26	-954.89	-232.29
2	80	240	50.81	7.08	9.06	48.83	9.10	1141.17	-58.93	1020.22	62.02	361.28
2	80	241	11.17	6.92	11.15	6.94	-0.27	-999.08	-1375.56	-1373.42	-1001.22	28.29
2	80	242	1.30	-5.43	0.86	-4.99	1.66	496.51	63.75	433.64	126.62	152.50
2	80	243	6.75	2.73	4.05	5.43	1.89	132.98	-828.59	-702.32	6.72	324.76
2	80	244	20.05	-1.98	9.84	8.23	10.99	-50.40	-640.19	-570.53	-120.06	190.34
2	80	245	-2.74	-6.98	-6.83	-2.90	-0.79	485.38	31.08	343.45	173.02	210.56
2	80	246	22.25	-6.05	20.38	-4.19	7.01	445.56	5.66	18.33	432.90	73.55
2	80	247	19.71	1.97	9.21	12.47	8.72	-351.45	-634.60	-632.90	-353.15	21.89
2	80	248	10.52	0.58	8.53	2.58	3.98	849.78	-31.95	306.86	510.97	-428.89
2	80	249	38.17	6.02	36.50	7.69	-7.12	1208.48	-10.75	130.60	1067.13	-390.33
2	80	250	-1.31	-10.55	-10.52	-1.33	-0.46	1639.51	-743.42	1637.72	-741.63	-65.20
2	80	251	0.50	-10.15	-10.15	0.50	6.99e-03	221.26	-1212.02	-1212.02	221.26	-0.31
2	80	252	4.18	-2.24	3.28	-1.34	-2.23	715.46	98.14	645.85	167.75	-195.26
2	84	21	0.69	-3.03	-2.68	0.33	1.09	-4250.32	-4897.75	-4494.57	-4653.49	-313.81
2	84	23	13.78	2.62	10.76	5.64	4.96	-4598.98	-4895.29	-4888.19	-4606.08	-45.31
2	84	24	0.67	-3.02	-2.69	0.34	-1.05	-4276.61	-4959.23	-4557.75	-4678.09	335.97
2	84	26	14.30	2.30	10.88	5.71	-5.41	-4333.42	-4588.34	-4567.12	-4354.63	70.41
2	84	141	19.05	7.45	7.46	19.05	0.24	1390.85	228.23	1378.94	240.13	-117.04
2	84	142	75.11	8.66	46.49	37.28	-32.90	-58.85	-892.66	-462.17	-489.35	416.68
2	84	143	24.18	-3.20	19.87	1.11	-9.97	304.59	-3.10	249.91	51.59	-117.63
2	84	144	22.55	-3.02	18.45	1.08	9.38	318.69	-27.20	250.27	41.23	137.79
2	84	145	75.95	9.06	46.93	38.08	33.15	-60.95	-913.96	-475.31	-499.60	-426.33
2	84	146	-4.00	-20.99	-20.96	-4.03	0.68	1498.87	-822.84	1413.27	-737.24	-437.51
2	84	147	19.06	7.50	7.52	19.05	-0.47	1431.95	238.72	1418.47	252.20	126.12
2	84	148	26.76	6.24	7.22	25.79	4.36	1454.68	235.04	1451.61	238.11	-61.07
2	84	149	1.42	-10.27	-10.20	1.35	-0.88	1356.79	-3987.72	-3969.26	1338.34	-313.52
2	84	150	1.39	-10.02	-9.97	1.34	0.73	1369.22	-4032.80	-4015.66	1352.08	303.79
2	84	151	14.92	8.56	13.35	10.13	-2.74	-255.60	-1241.96	-1241.94	-255.62	-4.09
2	84	152	14.06	6.72	11.85	8.92	-3.37	2217.05	681.51	2049.77	848.79	478.41
2	84	153	15.82	7.97	15.70	8.09	-0.97	2490.21	973.31	2324.75	1138.77	472.88
2	84	154	17.64	10.66	16.96	11.35	-2.08	336.68	-1042.39	-959.73	254.03	327.34
2	84	155	13.40	4.72	10.21	7.90	4.19	1417.33	412.70	1065.27	764.76	-479.32
2	84	156	13.33	6.51	11.90	7.94	2.78	-764.41	-2228.23	-1612.84	-1379.80	722.57
2	84	157	14.36	9.15	13.30	10.20	2.10	-244.31	-1293.27	-1290.30	-247.27	55.69
2	84	158	13.56	7.22	11.79	8.98	2.84	2154.30	710.90	1998.23	866.97	-448.24
2	84	159	11.93	7.40	7.41	11.92	-0.20	1354.91	196.29	1321.80	229.41	-193.05

2	84	160	13.40	4.66	8.17	9.89	4.28	116.21	-755.08	-359.38	-279.49	-433.81
2	84	161	10.47	3.83	7.24	7.06	3.32	287.16	-1064.02	-612.31	-164.55	-637.42
2	84	162	7.31	4.60	6.18	5.73	-1.34	1155.94	146.73	1097.46	205.21	-235.79
2	84	163	13.12	3.81	9.01	7.91	4.62	441.21	-1185.09	-683.66	-60.22	-751.03
2	84	164	10.93	6.15	9.30	7.79	2.27	494.97	-895.99	-581.85	180.83	-581.61
2	84	165	13.53	10.77	13.48	10.82	-0.36	-726.97	-2108.06	-2107.26	-727.77	33.27
2	84	166	16.86	13.31	16.83	13.35	-0.36	-154.87	-1858.69	-1858.16	-155.41	30.21
2	84	167	16.93	4.98	9.34	12.57	5.75	-107.75	-730.44	-565.43	-272.76	-274.81
2	84	168	1.92	-6.80	1.50	-6.37	-1.87	646.15	51.95	557.30	140.80	-211.90
2	84	169	7.76	2.95	4.82	5.89	-2.34	149.57	-1004.64	-810.19	-44.88	-432.00
2	84	170	22.92	-1.98	11.60	9.35	-12.40	-1.77	-803.54	-649.25	-156.06	-316.07
2	84	171	-3.45	-6.69	-6.42	-3.72	0.89	630.53	-6.88e-02	431.75	198.71	-292.98
2	84	172	17.26	11.13	16.92	11.48	1.42	315.06	-1043.64	-985.21	256.64	-275.63
2	84	173	11.87	1.20	10.03	3.04	-4.03	1636.07	313.79	318.14	1631.72	-75.70
2	84	174	15.56	1.66	10.74	6.47	-6.61	-881.09	-1435.88	-1257.69	-1059.29	-259.05
2	84	175	15.94	2.49	10.26	8.16	-6.64	1448.42	175.05	1437.57	185.90	117.06
2	84	176	7.17	3.99	5.73	5.43	1.58	263.31	-1093.69	-780.49	-49.89	-571.76
2	84	177	15.36	2.78	10.18	7.97	6.19	1396.59	96.64	1390.84	102.39	-86.25
2	84	178	14.35	3.20	9.54	8.01	5.52	41.77	-2025.94	-875.27	-1108.89	-1027.24
2	84	179	15.73	8.26	15.71	8.27	0.37	2448.44	995.81	2293.18	1151.07	-448.81
2	84	180	11.49	5.78	9.44	7.82	-2.74	511.54	-861.81	-525.13	174.86	590.78
2	84	181	12.22	6.57	11.63	7.16	1.72	487.38	-581.11	-429.93	336.19	372.40
2	84	182	-9.30	-45.25	-37.18	-17.36	-15.00	860.37	-953.64	-500.54	407.26	785.26
2	84	183	-3.57	-20.35	-20.33	-3.59	-0.52	1580.83	-855.26	1483.66	-758.09	476.73
2	84	184	1.46	-2.62	0.40	-1.57	-1.79	-259.82	-2802.77	-285.89	-2776.70	256.16
2	84	185	21.54	-3.39	15.71	2.44	10.55	277.44	-1338.41	-47.84	-1013.13	647.92
2	84	186	14.86	2.87	9.54	8.20	-5.95	94.70	-1942.90	-797.24	-1050.96	1010.87
2	84	187	13.91	4.33	8.11	10.13	-4.69	155.34	-720.32	-312.87	-252.11	436.78
2	84	188	10.98	3.59	7.25	7.31	-3.70	303.83	-1024.06	-567.93	-152.30	630.58
2	84	189	13.61	3.48	9.05	8.03	-5.04	457.16	-1147.38	-633.33	-56.90	748.71
2	84	190	5.57	-0.29	5.10	0.17	-1.59	1098.94	-449.76	368.46	280.73	-773.11
2	84	191	6.05	0.68	5.59	1.14	-1.49	-582.10	-2461.24	-2442.95	-600.39	-184.48
2	84	192	9.91	1.42	9.29	2.04	-2.21	-1361.87	-1710.76	-1552.14	-1520.50	173.73
2	84	193	5.84	0.74	5.40	1.17	1.43	-563.09	-2541.57	-2519.69	-584.98	206.94
2	84	194	5.36	-0.19	4.97	0.21	1.42	1080.79	-469.95	314.60	296.24	775.31
2	84	195	9.64	1.57	9.15	2.06	1.93	-1393.68	-1797.09	-1644.95	-1545.81	-195.52
2	84	196	11.47	1.40	9.81	3.06	3.74	1655.37	211.53	217.62	1649.28	93.61
2	84	197	20.76	0.72	16.59	4.89	-8.13	288.74	-404.57	-393.24	277.41	87.91
2	84	198	25.67	-1.70	21.64	2.33	-9.70	724.63	21.88	113.76	632.75	236.91
2	84	199	26.57	-6.19	24.03	-3.66	-8.75	567.09	-13.59	22.12	531.38	-139.50
2	84	200	12.43	3.71	11.41	4.73	-2.80	877.91	-120.14	871.04	-113.28	-82.49
2	84	201	13.86	4.33	10.26	7.93	-4.62	1487.81	411.67	1140.85	758.62	502.99
2	84	202	13.84	6.08	11.97	7.94	-3.32	-773.71	-2094.92	-1509.69	-1358.94	-656.29
2	84	203	22.88	2.10	11.31	13.67	-10.32	-409.63	-681.08	-680.79	-409.91	8.74
2	84	204	36.01	6.44	8.46	33.99	-7.46	1524.75	170.71	1523.90	171.56	-33.93
2	84	205	27.42	6.50	7.46	26.46	-4.39	1523.79	245.98	1518.43	251.34	82.58
2	84	206	20.95	4.15	10.27	14.83	-8.08	-181.71	-413.76	-277.22	-318.25	114.20
2	84	207	19.96	4.35	9.96	14.34	7.49	-279.01	-402.12	-336.86	-344.27	-61.44
2	84	208	14.90	1.90	10.40	6.41	6.19	-881.47	-1566.03	-1342.19	-1105.30	321.13
2	84	209	6.84	5.41	6.25	6.00	0.70	1174.88	155.23	1120.22	209.89	229.66
2	84	210	4.51	-0.96	4.14	-0.59	1.37	907.96	116.29	832.82	191.44	232.04
2	84	211	7.73	3.84	5.83	5.75	-1.95	266.19	-1067.03	-751.24	-49.61	566.83
2	84	212	12.48	6.30	11.53	7.24	-2.22	472.05	-605.98	-473.86	339.93	-353.51
2	84	213	17.58	4.69	9.34	12.93	-6.19	-40.15	-701.83	-509.76	-232.22	300.33
2	84	214	11.90	7.42	7.43	11.89	-0.26	1381.02	206.05	1348.83	238.25	191.80
2	84	215	4.56	-0.26	4.56	-0.26	-8.14e-02	-1090.09	-1731.99	-1731.96	-1090.12	-4.03
2	84	216	8.82	1.50	8.82	1.51	-0.16	-1073.70	-1236.38	-1235.91	-1074.18	-8.75
2	84	217	-0.26	-2.07	-2.07	-0.26	-7.87e-02	-266.40	-2988.02	-319.78	-2934.64	-377.40
2	84	218	-1.39	-11.47	-11.45	-1.41	0.51	1766.79	-785.59	1765.24	-784.04	62.86
2	84	219	-9.65	-41.21	-36.49	-14.37	11.25	709.94	-955.21	-567.18	321.91	-703.96
2	84	220	68.56	-23.53	-14.18	59.21	-27.80	933.16	-1050.85	875.86	-993.55	332.26
2	84	221	59.72	9.97	14.21	55.49	-13.88	1403.60	-135.29	1311.63	-43.32	-364.80
2	84	222	18.03	-2.86	14.48	0.69	-7.84	253.21	-1269.37	22.88	-1039.04	-545.57
2	84	223	11.29	4.61	11.28	4.62	-0.19	-982.64	-2039.65	-2039.50	-982.79	12.63
2	84	224	12.07	3.95	11.29	4.74	2.40	837.43	-217.61	825.33	-205.50	112.38
2	84	225	24.86	16.03	24.85	16.04	-0.30	172.92	-1089.91	-1089.45	172.46	24.15
2	84	226	24.52	11.01	24.32	11.21	-1.65	830.32	-982.51	-629.61	477.42	717.78
2	84	227	41.62	6.74	39.87	8.49	7.62	1429.00	-15.59	155.74	1257.67	467.06
2	84	228	52.62	13.12	52.62	13.12	3.88e-02	1514.56	2.74	2.84	1514.46	12.44
2	84	229	33.82	5.67	7.73	31.77	7.33	1425.00	164.33	1422.23	167.10	58.97
2	84	230	-0.25	-2.14	-2.14	-0.25	5.98e-02	-287.77	-3006.76	-343.16	-2951.37	384.09
2	84	231	22.78	3.86	22.49	4.15	2.31	2250.68	1297.16	2011.35	1536.49	413.43
2	84	232	20.00	1.04	16.32	4.72	7.50	280.59	-389.95	-382.72	273.36	-69.25
2	84	233	23.93	-1.24	20.42	2.27	8.71	708.90	31.71	118.71	621.90	-226.60
2	84	234	24.65	11.33	24.56	11.42	1.06	798.81	-953.88	-641.25	486.18	-670.97
2	84	235	1.40	-2.31	0.25	-1.16	1.71	-252.64	-2793.19	-268.90	-2776.93	-202.63
2	84	236	12.04	0.52	9.88	2.67	-4.49	891.83	-79.71	307.39	504.73	475.65

2	84	237	23.38	3.93	22.93	4.39	-2.93	2212.10	1320.73	1988.97	1543.86	-386.14
2	84	238	-0.70	-2.63	-2.63	-0.70	-1.55e-02	-178.24	-1748.85	-178.24	-1748.85	-0.64
2	84	239	75.18	-16.25	-7.63	66.56	26.72	714.44	-1056.64	681.55	-1023.75	-239.10
2	84	240	55.10	8.00	10.23	52.87	10.01	1307.06	-50.34	1175.16	81.56	402.05
2	84	241	12.53	7.73	12.51	7.75	-0.30	-1205.24	-1680.84	-1678.33	-1207.74	34.41
2	84	242	1.80	-5.28	1.53	-5.01	1.34	653.70	56.85	566.15	144.41	211.17
2	84	243	7.69	3.66	5.06	6.30	1.92	148.70	-997.73	-799.74	-49.29	433.34
2	84	244	22.51	-1.35	11.63	9.53	11.89	1.54	-803.96	-642.03	-160.40	322.82
2	84	245	-1.94	-6.83	-6.52	-2.26	-1.20	632.84	-7.04e-02	439.13	193.64	291.68
2	84	246	25.49	-5.81	23.51	-3.83	7.63	564.77	-15.38	23.63	525.76	145.29
2	84	247	21.55	2.12	10.23	13.45	9.58	-393.64	-752.84	-746.71	-399.77	46.52
2	84	248	11.63	0.60	9.42	2.81	4.42	859.26	-43.97	282.50	532.79	-433.93
2	84	249	42.67	6.77	40.92	8.52	-7.74	1419.71	-3.55	153.37	1262.79	-445.77
2	84	250	-1.42	-11.46	-11.43	-1.44	-0.48	1736.46	-793.84	1735.17	-792.55	-57.16
2	84	251	0.53	-11.04	-11.04	0.53	6.74e-03	253.86	-1473.44	-1473.44	253.86	-0.61
2	84	252	4.71	-2.03	4.03	-1.35	-2.03	889.26	112.20	808.83	192.63	-236.71
M_G			N max	N min	N 1	N 2	N 1-2	M max	M min	M 1	M 2	M 1-2
			104.65	-62.11	-51.03	-23.81	-44.53	4360.98	-6732.02	-6562.25	-6326.14	-1368.04
					73.00	91.11	44.92			3120.80	4078.43	1600.90

VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI TRAVE E/O PILASTRO IN C.A.

In tabella vengono riportati per ogni elemento il numero identificativo ed il codice di verifica con le sigle **Ok** o **NV**.

Nel caso in cui si sia proceduto alla progettazione con il metodo degli stati limite (**S.L.**) vengono riportati: il rapporto x/d , le verifiche per sollecitazioni proporzionali e la verifica per compressione media con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

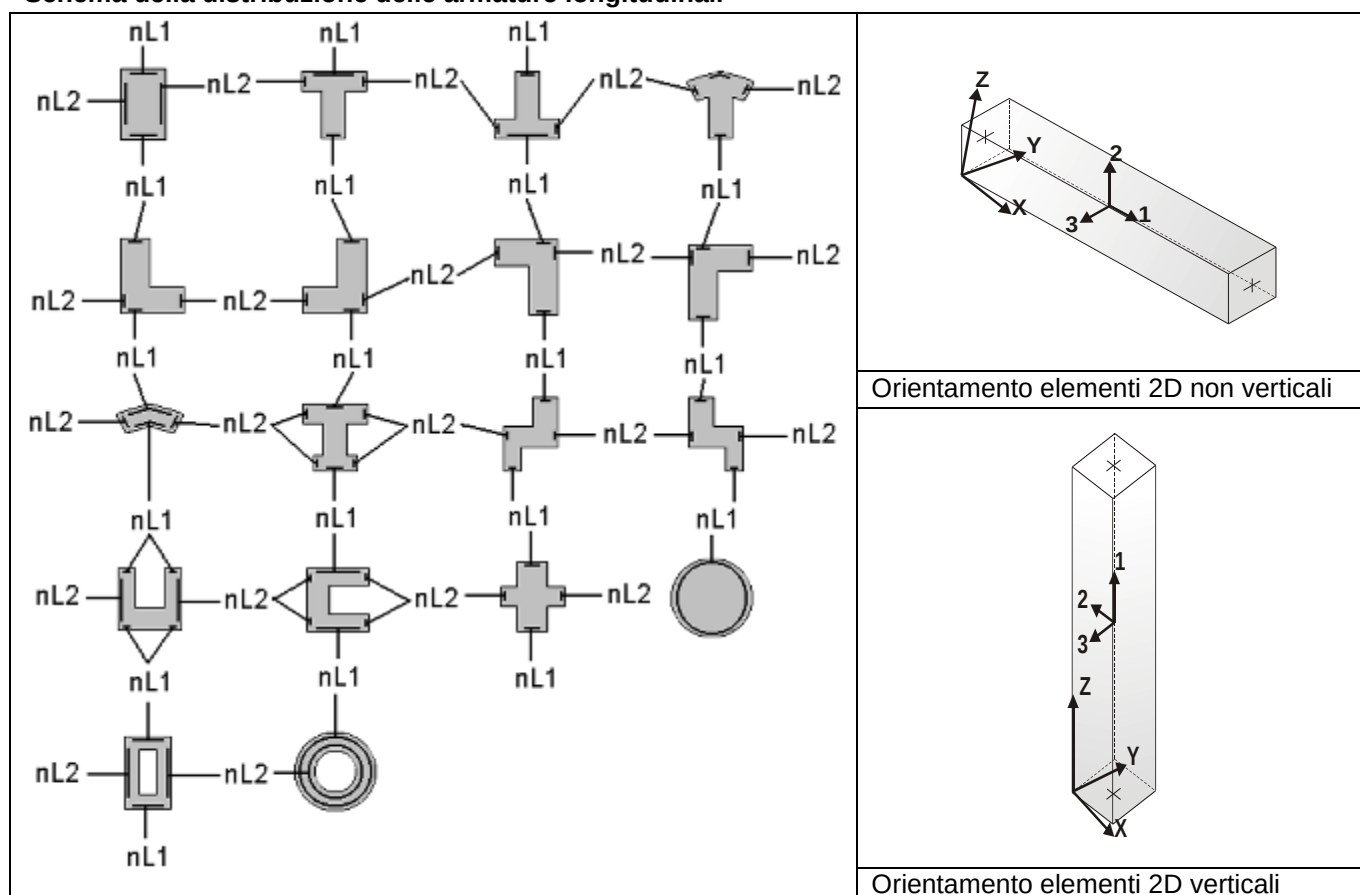
Nel caso in cui si sia proceduto alla progettazione con le tensioni ammissibili (**T.A.**) vengono riportate le massime tensioni nell'elemento (massima compressione nel calcestruzzo, massima compressione media nel calcestruzzo, massima tensione nell'acciaio, massima tensione tangenziale) con l'indicazione delle combinazioni in cui si sono attinti i rispettivi valori.

Nel caso in cui la struttura abbia comportamento dissipativo e sia prevista la progettazione con il criterio della gerarchia delle resistenze (**G.R.**) vengono riportate le verifiche di sovrarresistenza e del nodo.

Per gli elementi tipo pilastro sono riportati numero e diametro dei ferri di vertice, numero e diametro di ferri disposti lungo i lati L1 (paralleli alla base della sezione) e lungo i lati L2 (paralleli all'altezza della sezione).

Per gli elementi tipo trave sono riportati infine le quantità di armatura inferiore e superiore.

Schema della distribuzione delle armature longitudinali



PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

“Sia per CD“A” sia per CD“B” il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall’analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- [...];
- quella trasferita dagli elementi soprastanti nell’ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD“A” e 1,10 in CD“B”;

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall’analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando le sollecitazioni delle combinazioni con sisma di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

Per i bicchieri dei plinti di fondazione prefabbricati l’incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun incremento.

Le verifiche geotecniche vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Simbologia adottata nelle tabelle di verifica

Per le verifiche agli S.L. dei pilastri è presente una tabella con i simboli di seguito descritti:

M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
Pilas.	numero identificativo dell’elemento D2
Note	Codici identificativi delle sezione (s) e materiale (m) pilastro
Stato	Codici relativi all’esito delle verifiche effettuate appresso descritte
Quota	Quota sezione di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
r. snell.	Rapporto di snellezza λ su λ^* : valore superiore a 1 per elementi snelli nel caso in cui viene effettuata la verifica con il metodo diretto dello stato di equilibrio
Armat. long.	Numero e diametro (d) dei ferri di armatura longitudinale distinti in ferri di vertice + ferri di lato nelle posizioni nL1 e nL2, come da schemi in figura precedente
V N/M	Verifica a pressoflessione con rapporto E_d/R_d : valore minore o uguale a 1 per verifica positiva
V N sis	Verifica a compressione solo calcestruzzo con rapporto N_{sd}/N_{rd} ed N_{rd} calcolato come al punto 7.4.4.2.1: valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto V_{ed}/V_{rd} : valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il pilastro

Per le verifiche alla G.R. dei pilastri è presente una tabella con i simboli di seguito descritti:

Pilas.	numero identificativo dell’elemento D2 pilastro
sovr. Xi (Xf)	Verifica sovrarresistenza come da formula 7.4.4 in direzione X, alla base (i) ed alla sommità (f):

	rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
sovr. Y_i (Y_f)	Verifica sovrarresistenza come da formula 7.4.4 in direzione Y, alla base (i) ed alla sommità (f): rapporto tra i momenti resistenti dei pilastri e delle travi. La verifica è positiva se maggiore del γ_{Rd} adottato
M 2-2 i (f)	Valore del momento resistente 2-2 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
M 3-3 i (f)	Valore del momento resistente 3-3 alla base (i) ed alla sommità (f) con massimo momento in presenza dello sforzo normale di calcolo
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M2-2 (M3-3)	Valore del taglio generato dai momenti resistenti 2-2 (3-3)

Per le verifiche dei dettagli costruttivi per la duttilità è presente una tabella con i simboli di seguito descritti:
(Non presente nel caso di comportamento strutturale non dissipativo)

Pilas	Numero identificativo D2 pilastro
n_i	Sforzo assiale adimensionalizzato di progetto relativo alla combinazione sismica SLV
alfaomega	Prodotto tra il coefficiente di efficacia del confinamento e il rapporto meccanico dell'armatura trasversale di confinamento all'interno del nodo
V.7.4.29 2-2 (3-3)	Rapporto tra la domanda di staffe minima nel nodo e il rapporto meccanico dell'armatura trasversale di confinamento inserito all'interno del nodo in direzione 2 (3)
V. 7.4.29 Stato	Codici relativi all'esito della verifica 7.4.29
d μ_{fi} 2-2 (3-3)	Domanda in duttilità di curvatura in direzione 2 (3)
c μ_{fi} 2-2 (3-3)	Capacità in duttilità di curvatura in direzione 2 (3)
V. dutt. 2-2 (3-3)	Rapporto tra la domanda in duttilità di curvatura e la capacità in duttilità di curvatura in direzione 2 (3)

Per le verifiche nodi trave-pilastro di elementi nuovi è presente una tabella con i simboli di seguito descritti:

Nodo	Numero identificativo del nodo trave-pilastro
Stato	Esito delle verifiche
Pilastro	Numero identificativo D2 pilastro
Diam st	Diametro staffe nodo
Passo	Passo staffe nodo
n. br. 2 (3)	Numero braccia staffe per il taglio in direzione 2 (3)
B j_2 (3)	Larghezza effettiva del nodo per il taglio in direzione 2 (3)
H j_2 (3)	Distanza tra le giaciture più esterne delle armature del pilastro per il taglio in direzione 2 (3)
V. 7.4.8	Rapporto tra il taglio V j_{bd} e il taglio resistente come da formula 7.4.8
V. Ash	Rapporto tra il passo staffe calcolato secondo il capitolo 7.4.4.3.1. e il passo staffe effettivamente inserita nel nodo. Nel caso di valore indica passo staffe utilizzato deriva dalle formule presenti nel paragrafo 7.4.4.3.1. Nel caso di valore minore di 1 il passo staffe utilizzato deriva del pilastro superiore o inferiore al nodo
7.4.10	Check passo staffe valutato in funzione della formula 7.4.10: • SI il passo staffe è calcolato utilizzando la formula 7.4.10; • NO il passo staffe è calcolato utilizzando le formule 7.4.11 e/o 7.4.12; • NR calcolo passo staffe non richiesto;
Rif. comb.	Riferimento combinazioni da cui si generano le verifiche più gravose per il nodo

Per le verifiche nodi trave-pilastro di elementi esistenti è presente una tabella con i simboli di seguito descritti:

Pilastro I	Numero identificativo D2 del pilastro inferiore.
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Pilastro S	Numero identificativo D2 del pilastro superiore.
Nodo	Numero identificativo del nodo trave-pilastro.
SL cod	Stato limite di riferimento e relativo esito delle verifiche.
ver. (+)	Fattore di sicurezza nei riguardi della verifica di resistenza a compressione (verificato se < 1.00).
V +	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a compressione.
V + af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a compressione.
N +	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a compressione.
ver. (-)	Fattore di sicurezza nei riguardi della verifica di resistenza a trazione (verificato se < 1.00).
V -	Azione di Taglio presente al di sopra del nodo nella verifica di resistenza a trazione.
V - af s	Sollecitazione di trazione presente nell' armatura longitudinale superiore della trave nella verifica di resistenza a trazione.
N -	Azione Assiale presente al di sopra del nodo nella verifica di resistenza a trazione.
AreaV2	Area resistente del nodo in direzione 2 ($A_{j2}=b_{j2}*h_{jc2}$).
AreaV3	Area resistente del nodo in direzione 3 ($A_{j3}=b_{j3}*h_{jc3}$).
Rif. comb.	Combinazione (direzione) di riferimento nella verifica di trazione.

Per le verifiche agli S.L. delle travi è presente una tabella con i simboli di seguito descritti:

M_T Z P P	Numero della travata (T), quota media (Z), n° pilastri iniziale (P) e finale (P) (nodo in assenza di pilastri)
Trave	numero identificativo dell'elemento D2
Note	Codici identificativi sezione (s) e materiale (m) trave; sono inoltre presenti le sigle relative all'esito delle verifiche effettuate appresso descritte
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Af inf.	Area di armatura longitudinale posta all'intradosso
Af sup	Area di armatura longitudinale posta all'estradosso
Af long.	Area complessiva armatura longitudinale
x/d	rapporto tra posizione dell'asse neutro e altezza utile
V N/M	Verifica a pressoflessione rapporto E_d/R_d : valore minore o uguale a 1 per verifica positiva
Staffe	Dati tratto di staffatura oggetto di verifica, nello specifico: numero delle braccia, diametro, passo, lunghezza L tratto
V V/T cls	Verifica a taglio/torsione con rapporto V_{ed}/V_{rd} : valore minore o uguale a 1 per verifica positiva
Rif. cmb.	Riferimento combinazioni da cui si generano le verifiche più gravose per la trave

Per le verifiche alla G.R. delle travi è presente una tabella con i simboli di seguito descritti:

Trave	numero identificativo dell'elemento D2 trave
M negativo i (f)	Valore del momento resistente negativo all' estremità iniziale i (finale f) della trave
M positivo i (f)	Valore del momento resistente positivo all' estremità iniziale i (finale f) della trave
Luce per V	Luce di calcolo per la definizione del taglio (generato dai momenti resistenti)
V M-i M+f	Taglio generato dai momenti resistenti negativo i e positivo f
V M+i M-f	Taglio generato dai momenti resistenti positivo i e negativo f
VEd, min	Valore di taglio minimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
VEd, max	Valore di taglio massimo per verifica condizioni p.to 7.4.4.1.1 armatura diagonale (solo per CD "A")
Vr1	Valore di taglio come da formula 7.4.1 per armatura diagonale (solo per CD "A")
As	Area singolo ordine armature diagonali come da formula 7.4.2 (solo per CD "A")

Per le verifiche a taglio ciclico di travi e pilastri esistenti è presente una tabella con i simboli di seguito descritti:

Trave/Pilastro	Numero identificativo dell'elemento D2 trave/pilastro
V. SLV	Codice relativo all'esito delle verifiche

Nodo	Numero identificativo del nodo di verifica
Ver. VC	Fattore di sicurezza nei confronti della verifica a taglio ciclico (verificato se < 1.00)
Direz.	Direzione di verifica
N fr	Valore di sforzo normale calcolato con fattore di comportamento fragile
V fr	Valore di taglio calcolato con fattore di comportamento fragile
M fr	Valore di momento calcolato con fattore di comportamento fragile
N dutt	Valore di sforzo normale calcolato con fattore di comportamento duttile
LV	Lunghezza di taglio
Mud,pl	Parte plastica della domanda di duttilità
V cic	Resistenza a taglio in condizioni cicliche (C8.7.2.8)
Cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

Per le verifiche alle T.A. di pilastri e travi è presente una tabella con i simboli di seguito descritti:

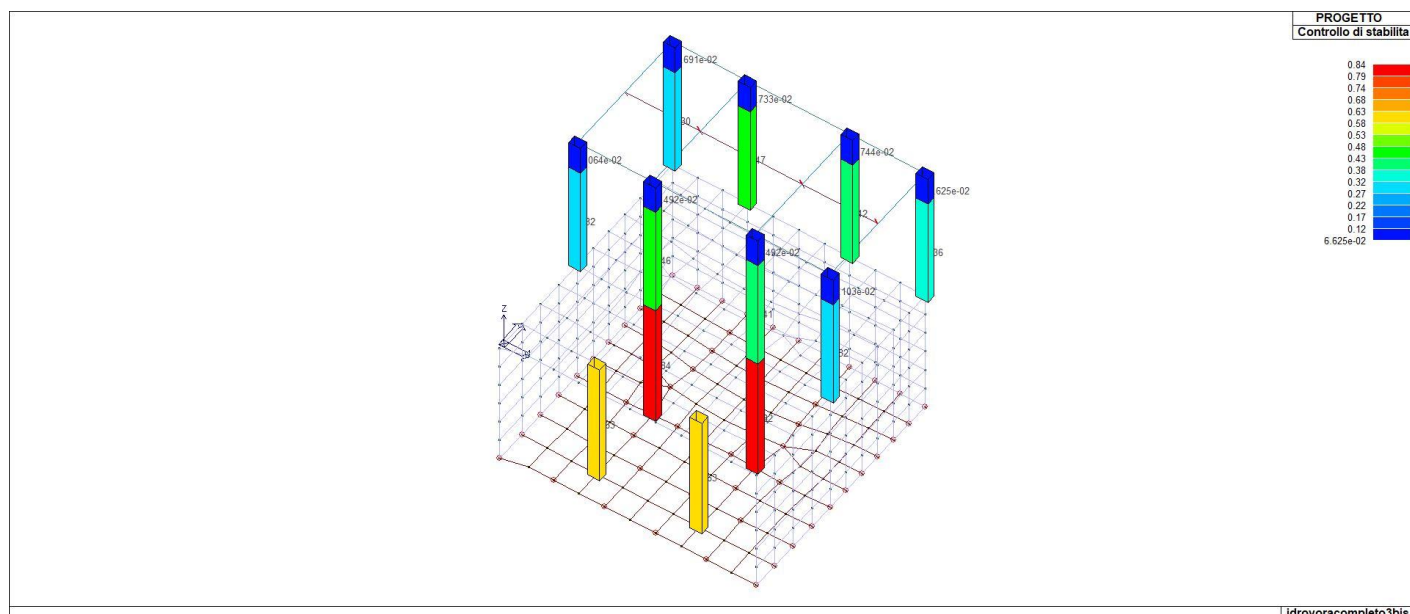
M_P X Y	Numero della pilastrata (P) e posizione in pianta (X,Y)
M_T Z P P	Numero della travata, quota media pilastrata iniziale e finale (nodo in assenza di pilastrata)
Pilas. o Trave	numero identificativo dell'elemento D2
Note	Viene riportato il codice relativo alla sezione(s) e relativo al materiale(m); nella terza riga viene riportato il valore delle snellezze in direzione 2-2 e 3-3
Stato	Codici di verifica relativi alle tensioni normali e alle tensioni tangenziali
Quota	Ascissa del punto di verifica
%Af	Percentuale di area di armatura rispetto a quella di calcestruzzo
Armat. long.	Numero e diametro dei ferri di armatura longitudinale: ferri di vertice + ferri di lato (come da fig. precedente)
Af inf.	Area di armatura longitudinale posta all'intradosso della trave
Af sup	Area di armatura longitudinale posta all'estradosso della trave
Sc max	Massima tensione di compressione del calcestruzzo
Sc med	Massima tensione media di compressione del calcestruzzo
Sf max	Tensione massima nell'acciaio
staffe	Vengono riportati i dati del tratto di staffatura in cui cade la sezione di verifica; in particolare: numero dei bracci, diametro, passo, lunghezza tratto
Tau max	Tensione massima tangenziale nel cls
Rif. comb	Combinazioni in cui si generano i seguenti valori di tensione: Sc max, Sc med, Sf max, Tau max
AfV	area dell'armatura atta ad assorbire le azioni di taglio
AfT	area dell'armatura atta ad assorbire le azioni di torsione
Scorr. P	Scorrimento dei piegati
Af long.	Area del ferro longitudinale aggiuntivo per assorbire la torsione

					M_P= 1	X=250.0	Y=84.2							
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb		
			cm						L=cm					
20	s=1,m=5	ok,ok	-450.0	1.34	0.63	4d16 2+2 d16	0.18	0.11	3+3d8/15 L=45	0.03	0.03	18,39,13,18		
			-225.0	1.34	0.63	4d16 2+2 d16	0.07	0.113+3d8/15 L=360	0.03	0.03	39,39,13,18			
	[b=1.0;1.0]		0.0	1.34	0.63	4d16 2+2 d16	0.21	0.10	3+3d8/15 L=45	0.03	0.03	18,39,13,18		
					M_P= 2	X=590.0	Y=84.2							
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb		
18	s=1,m=5	ok,ok	-450.0	1.34	0.63	4d16 2+2 d16	0.19	0.11	3+3d8/15 L=45	0.04	0.03	16,29,16,16		
			-225.0	1.34	0.63	4d16 2+2 d16	0.07	0.113+3d8/15 L=360	0.04	0.03	29,29,16,16			
	[b=1.0;1.0]		0.0	1.34	0.63	4d16 2+2 d16	0.22	0.10	3+3d8/15 L=45	0.04	0.03	16,29,16,16		
					M_P= 3	X=0.0	Y=350.0							
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb		
14	s=1,m=5	ok,ok	0.0	1.34	0.32	4d16 2+2 d16	0.82	0.05	3+3d8/15 L=45	0.10	0.10	41,25,29,39		
			200.0	1.34	0.32	4d16 2+2 d16	0.22	0.043+3d8/15 L=310	0.10	0.10	38,25,29,39			

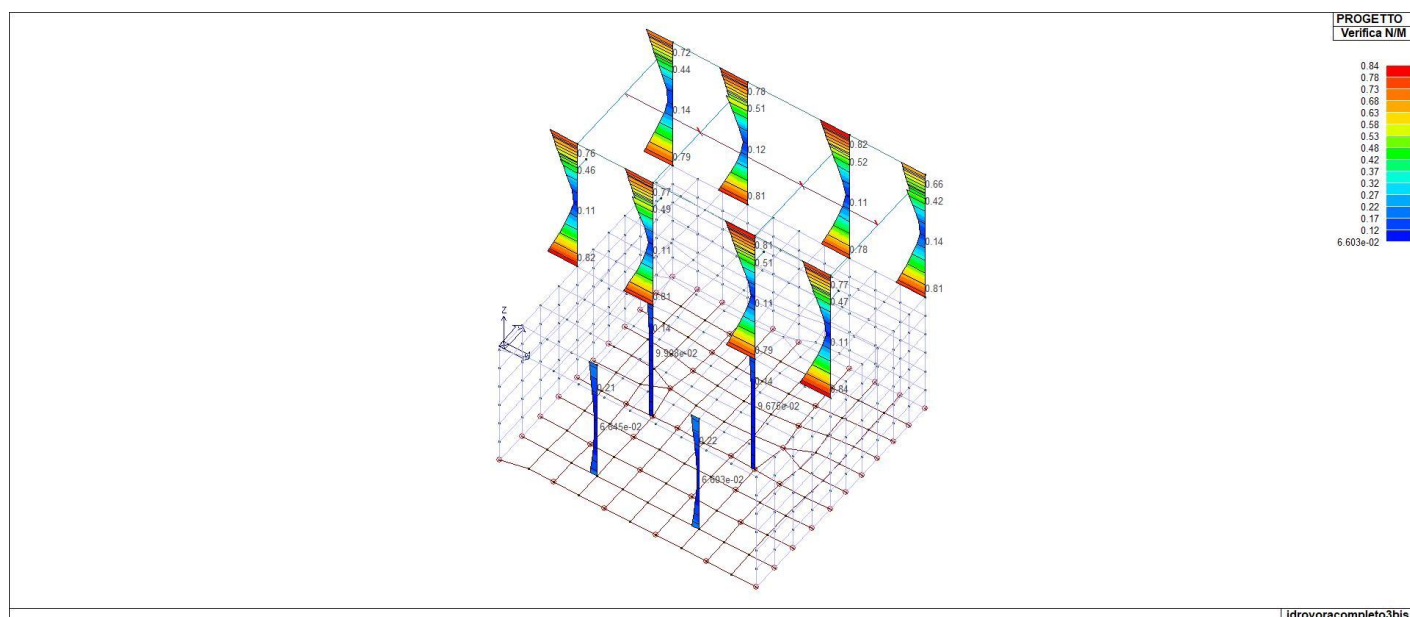
	[b=1.0;1.0]		400.0	1.34	0.32	4d16 2+2 d16	0.47	0.04	3+3d8/15 L=45	0.10	0.10	41,25,29,39
15	s=1,m=5	ok,ok	400.0	1.34	0.07	4d16 2+2 d16	0.46	0.04	3+3d8/15 L=45	0.10	0.09	41,25,29,39
			450.0	1.34	0.07	4d16 2+2 d16	0.61	0.03	3+3d8/15 L=10	0.10	0.09	41,25,29,39
	[b=1.0;1.0]		500.0	1.34	0.07	4d16 2+2 d16	0.76	0.03	3+3d8/15 L=45	0.10	0.09	41,25,29,39
M_P= 4 X=250.0 Y=350.0												
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
19	s=1,m=5	ok,ok	-450.0	1.34	0.84	4d16 2+2 d16	0.11	0.19	3+3d8/15 L=45	0.02	0.02	18,39,19,16
			-225.0	1.34	0.84	4d16 2+2 d16	0.10	0.183+3d8/15 L=360		0.02	0.02	39,39,19,16
	[b=1.0;1.0]		0.0	1.34	0.84	4d16 2+2 d16	0.14	0.18	3+3d8/15 L=45	0.02	0.02	16,39,19,16
8	s=1,m=5	ok,ok	0.0	1.34	0.46	4d16 2+2 d16	0.81	0.07	3+3d8/15 L=45	0.12	0.11	37,39,29,41
			200.0	1.34	0.46	4d16 2+2 d16	0.20	0.073+3d8/15 L=310		0.12	0.11	18,39,29,41
	[b=1.0;1.0]		400.0	1.34	0.46	4d16 2+2 d16	0.58	0.06	3+3d8/15 L=45	0.12	0.11	37,39,29,41
23	s=1,m=5	ok,ok	400.0	1.34	0.09	4d16 2+2 d16	0.49	0.05	3+3d8/15 L=45	0.13	0.10	37,39,13,29
			450.0	1.34	0.09	4d16 2+2 d16	0.63	0.05	3+3d8/15 L=10	0.13	0.10	41,39,13,29
	[b=1.0;1.0]		500.0	1.34	0.09	4d16 2+2 d16	0.77	0.05	3+3d8/15 L=45	0.13	0.10	33,39,13,29
M_P= 5 X=590.0 Y=350.0												
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
21	s=1,m=5	ok,ok	-450.0	1.34	0.82	4d16 2+2 d16	0.11	0.18	3+3d8/15 L=45	0.02	0.02	16,29,13,18
			-225.0	1.34	0.82	4d16 2+2 d16	0.10	0.183+3d8/15 L=360		0.02	0.02	29,29,13,18
	[b=1.0;1.0]		0.0	1.34	0.82	4d16 2+2 d16	0.14	0.17	3+3d8/15 L=45	0.02	0.02	18,29,13,18
6	s=1,m=5	ok,ok	0.0	1.34	0.41	4d16 2+2 d16	0.79	0.06	3+3d8/15 L=45	0.11	0.11	39,29,19,29
			200.0	1.34	0.41	4d16 2+2 d16	0.21	0.063+3d8/15 L=310		0.11	0.11	16,29,19,29
	[b=1.0;1.0]		400.0	1.34	0.41	4d16 2+2 d16	0.52	0.05	3+3d8/15 L=45	0.11	0.11	31,29,19,29
24	s=1,m=5	ok,ok	400.0	1.34	0.09	4d16 2+2 d16	0.51	0.05	3+3d8/15 L=45	0.11	0.10	31,29,19,29
			450.0	1.34	0.09	4d16 2+2 d16	0.66	0.05	3+3d8/15 L=10	0.11	0.10	35,29,19,29
	[b=1.0;1.0]		500.0	1.34	0.09	4d16 2+2 d16	0.81	0.05	3+3d8/15 L=45	0.11	0.10	35,29,19,29
M_P= 6 X=840.0 Y=350.0												
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
34	s=1,m=5	ok,ok	0.0	1.34	0.32	4d16 2+2 d16	0.84	0.05	3+3d8/15 L=45	0.10	0.11	35,23,35,29
			200.0	1.34	0.32	4d16 2+2 d16	0.22	0.043+3d8/15 L=310		0.10	0.11	32,23,35,29
	[b=1.0;1.0]		400.0	1.34	0.32	4d16 2+2 d16	0.47	0.04	3+3d8/15 L=45	0.10	0.11	35,23,35,29
35	s=1,m=5	ok,ok	400.0	1.34	0.07	4d16 2+2 d16	0.47	0.04	3+3d8/15 L=45	0.09	0.10	35,23,35,29
			450.0	1.34	0.07	4d16 2+2 d16	0.62	0.04	3+3d8/15 L=10	0.09	0.10	35,23,35,29
	[b=1.0;1.0]		500.0	1.34	0.07	4d16 2+2 d16	0.77	0.03	3+3d8/15 L=45	0.09	0.10	35,23,35,29
M_P= 7 X=0.0 Y=800.0												
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
11	s=1,m=5	ok,ok	0.0	1.34	0.30	4d16 2+2 d16	0.79	0.04	3+3d8/15 L=45	0.09	0.10	44,18,38,38
			200.0	1.34	0.30	4d16 2+2 d16	0.22	0.043+3d8/15 L=310		0.09	0.10	25,18,38,38
	[b=1.0;1.0]		400.0	1.34	0.30	4d16 2+2 d16	0.45	0.03	3+3d8/15 L=45	0.09	0.10	44,18,38,38
17	s=1,m=5	ok,ok	400.0	1.34	0.07	4d16 2+2 d16	0.44	0.03	3+3d8/15 L=45	0.08	0.09	44,18,44,38
			450.0	1.34	0.07	4d16 2+2 d16	0.58	0.03	3+3d8/15 L=10	0.08	0.09	44,18,44,38
	[b=1.0;1.0]		500.0	1.34	0.07	4d16 2+2 d16	0.72	0.03	3+3d8/15 L=45	0.08	0.09	44,18,44,38
M_P= 8 X=250.0 Y=800.0												
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
3	s=1,m=5	ok,ok	0.0	1.34	0.47	4d16 2+2 d16	0.81	0.08	3+3d8/15 L=45	0.12	0.12	44,44,18,38
			200.0	1.34	0.47	4d16 2+2 d16	0.19	0.073+3d8/15 L=310		0.12	0.12	25,44,18,38
	[b=1.0;1.0]		400.0	1.34	0.47	4d16 2+2 d16	0.59	0.07	3+3d8/15 L=45	0.12	0.12	44,44,18,38
25	s=1,m=5	ok,ok	400.0	1.34	0.10	4d16 2+2 d16	0.51	0.06	3+3d8/15 L=45	0.11	0.10	44,44,28,44
			450.0	1.34	0.10	4d16 2+2 d16	0.64	0.05	3+3d8/15 L=10	0.11	0.10	44,44,28,44
	[b=1.0;1.0]		500.0	1.34	0.10	4d16 2+2 d16	0.78	0.05	3+3d8/15 L=45	0.11	0.10	44,44,28,44
M_P= 9 X=590.0 Y=800.0												
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
4	s=1,m=5	ok,ok	0.0	1.34	0.42	4d16 2+2 d16	0.78	0.07	3+3d8/15 L=45	0.11	0.11	34,34,16,32
			200.0	1.34	0.42	4d16 2+2 d16	0.20	0.063+3d8/15 L=310		0.11	0.11	23,34,16,32
	[b=1.0;1.0]		400.0	1.34	0.42	4d16 2+2 d16	0.52	0.06	3+3d8/15 L=45	0.11	0.11	34,34,16,32
26	s=1,m=5	ok,ok	400.0	1.34	0.10	4d16 2+2 d16	0.52	0.06	3+3d8/15 L=45	0.10	0.10	34,34,16,32
			450.0	1.34	0.10	4d16 2+2 d16	0.67	0.05	3+3d8/15 L=10	0.10	0.10	34,34,16,32
	[b=1.0;1.0]		500.0	1.34	0.10	4d16 2+2 d16	0.82	0.05	3+3d8/15 L=45	0.10	0.10	34,34,16,32
M_P= 10 X=840.0 Y=800.0												
Pilas.	Note	Stato	Quota	%Af	r. snell.	Armat. long.	V N/M	V N sis	Staffe	V V/T cls	V V/T acc	Rif. cmb
33	s=1,m=5	ok,ok	0.0	1.34	0.36	4d16 2+2 d16	0.81	0.05	3+3d8/15 L=45	0.10	0.11	34,16,16,32
			200.0	1.34	0.36	4d16 2+2 d16	0.23	0.053+3d8/15 L=310		0.10	0.11	35,16,16,32
	[b=1.0;1.0]		400.0	1.34	0.36	4d16 2+2 d16	0.51	0.04	3+3d8/15 L=45	0.10	0.11	34,16,16,32
36	s=1,m=5	ok,ok	400.0	1.34	0.07	4d16 2+2 d16	0.42	0.03	3+3d8/15 L=45	0.09	0.08	34,16,28,34
			450.0	1.34	0.07	4d16 2+2 d16	0.54	0.03	3+3d8/15 L=10	0.09	0.08	34,16,28,34
	[b=1.0;1.0]		500.0	1.34	0.07	4d16 2+2 d16	0.66	0.03	3+3d8/15 L=45	0.09	0.08	34,16,28,34
Pilas.												
				%Af	r. snell.		V N/M	V N sis		V V/T cls	V V/T acc	
				1.34	0.84		0.84	0.19		0.13	0.12	

							M_T= 7	Z=400.0	N=16	N=27		
Trave	Note	Pos. cm	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe	Rif. cmb
27	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	0.15	0.08	0.15	2d8/15 L=25	2,4,4
	s=2,m=5	40.0	0.38	6.0	6.0	0.0	0.10	8.42e-03	0.07	0.14	2d8/15 L=25	38,4,8
							M_T= 8	Z=400.0	N=12	N=28		

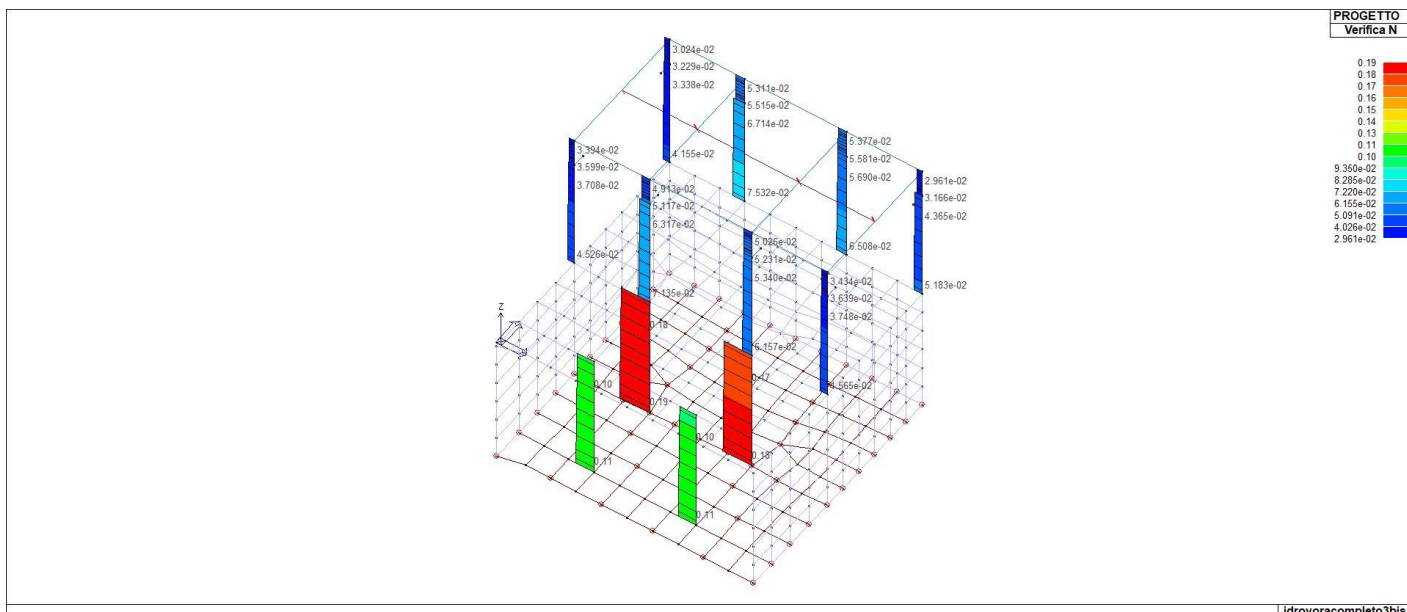
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
28	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	5.07e-03	4.89e-03	9.68e-03	2d8/15 L=25 3,1,1
s=2,m=5		40.0	0.38	6.0	6.0	0.0	0.10	3.98e-04	4.57e-04	0.0	2d8/15 L=25 32,16,4
M_T= 9 Z=400.0 N=8 N=29											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
29	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	3.98e-04	4.46e-04	0.0	2d8/15 L=25 33,21,41
s=2,m=5		40.0	0.38	6.0	6.0	0.0	0.10	5.07e-03	4.89e-03	9.68e-03	2d8/15 L=25 3,3,3
M_T= 10 Z=400.0 N=6 N=30											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
30	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	8.42e-03	0.07	0.14	2d8/15 L=25 39,4,10
s=2,m=5		40.0	0.38	6.0	6.0	0.0	0.10	0.15	0.08	0.15	2d8/15 L=25 2,4,10
M_T= 11 Z=400.0 N=137 N=409											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
31	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	5.07e-03	4.89e-03	9.68e-03	2d8/15 L=25 4,3,3
s=2,m=5		40.0	0.38	6.0	6.0	0.0	0.10	4.43e-04	4.57e-04	0.0	2d8/15 L=25 38,16,35
M_T= 12 Z=400.0 N=138 N=408											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
32	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	4.43e-04	4.46e-04	0.0	2d8/15 L=25 39,25,33
s=2,m=5		40.0	0.38	6.0	6.0	0.0	0.10	5.07e-03	4.89e-03	9.68e-03	2d8/15 L=25 2,2,2
M_T= 13 Z=400.0 N=139 N=411											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
37	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	5.07e-03	4.89e-03	9.68e-03	2d8/15 L=25 2,3,3
s=2,m=5		40.0	0.38	6.0	6.0	0.0	0.10	4.39e-04	4.57e-04	0.0	2d8/15 L=25 36,18,33
M_T= 14 Z=400.0 N=140 N=410											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
38	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	9.23e-03	0.07	0.14	2d8/15 L=25 29,6,6
s=2,m=5		40.0	0.38	6.0	6.0	0.0	0.10	0.15	0.08	0.15	2d8/15 L=25 2,2,2
M_T= 1 Z=500.0 P=5 P=9											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
1	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	0.67	0.22	0.41	2d8/15 L=50 35,4,3
s=2,m=5		225.0	0.38	6.0	6.0	0.0	0.10	0.84	0.06	0.07	2d8/15 L=320 3,35,34
		450.0	0.38	6.0	6.0	0.0	0.10	0.70	0.22	0.42	2d8/15 L=50 34,4,4
M_T= 2 Z=500.0 P=3 P=6											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
9	ok,ok	0.0	0.84	4.0	6.0	0.0	0.21	0.69	0.20	0.20	2d8/15 L=60 13,13,18
s=3,m=5		125.0	0.56	4.0	4.0	0.0	0.17	0.07	0.19	0.18	2d8/15 L=90 19,13,18
		250.0	0.56	4.0	4.0	0.0	0.17	0.86	0.18	0.16	2d8/15 L=60 13,13,18
10	ok,ok	0.0	0.56	4.0	4.0	0.0	0.17	0.59	0.09	0.10	2d8/15 L=55 13,13,13
s=3,m=5		170.0	0.56	4.0	4.0	0.0	0.17	0.05	0.07	0.08	2d8/15 L=190 4,13,16
		340.0	0.56	4.0	4.0	0.0	0.17	0.61	0.08	0.10	2d8/15 L=55 19,16,16
2	ok,ok	0.0	0.56	4.0	4.0	0.0	0.17	0.87	0.17	0.16	2d8/15 L=60 16,19,16
s=3,m=5		125.0	0.56	4.0	4.0	0.0	0.17	0.06	0.18	0.18	2d8/15 L=90 13,19,16
		250.0	0.84	4.0	6.0	0.0	0.21	0.69	0.19	0.20	2d8/15 L=60 16,19,16
M_T= 3 Z=500.0 P=7 P=10											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
12	ok,ok	0.0	0.56	4.0	4.0	0.0	0.17	0.85	0.22	0.16	2d8/15 L=60 22,14,25
s=3,m=5		125.0	0.56	4.0	4.0	0.0	0.17	0.08	0.21	0.14	2d8/15 L=90 28,14,25
		250.0	0.56	4.0	4.0	0.0	0.17	0.75	0.22	0.16	2d8/15 L=60 28,28,28
13	ok,ok	0.0	0.56	4.0	4.0	0.0	0.17	0.55	0.07	0.09	2d8/15 L=55 22,13,22
s=3,m=5		170.0	0.56	4.0	4.0	0.0	0.17	0.05	0.06	0.07	2d8/15 L=190 42,16,23
		340.0	0.56	4.0	4.0	0.0	0.17	0.57	0.08	0.09	2d8/15 L=55 28,16,23
5	ok,ok	0.0	0.56	4.0	4.0	0.0	0.17	0.77	0.20	0.16	2d8/15 L=60 22,22,22
s=3,m=5		125.0	0.56	4.0	4.0	0.0	0.17	0.06	0.19	0.14	2d8/15 L=90 22,15,23
		250.0	0.56	4.0	4.0	0.0	0.17	0.83	0.20	0.16	2d8/15 L=60 23,15,23
M_T= 4 Z=500.0 P=6 P=10											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
7	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	0.59	0.12	0.18	2d8/15 L=50 35,29,35
s=2,m=5		225.0	0.38	6.0	6.0	0.0	0.10	0.35	0.07	0.08	2d8/15 L=320 4,29,35
		450.0	0.38	6.0	6.0	0.0	0.10	0.49	0.10	0.17	2d8/15 L=50 34,38,34
M_T= 5 Z=500.0 P=4 P=8											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
16	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	0.63	0.21	0.41	2d8/15 L=50 41,4,3
s=2,m=5		225.0	0.38	6.0	6.0	0.0	0.10	0.86	0.05	0.07	2d8/15 L=320 4,34,44
		450.0	0.38	6.0	6.0	0.0	0.10	0.66	0.22	0.42	2d8/15 L=50 44,4,4
M_T= 6 Z=500.0 P=3 P=7											
Trave	Note	Pos.	%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	Staffe Rif. cmb
22	ok,ok	0.0	0.38	6.0	6.0	0.0	0.10	0.58	0.11	0.18	2d8/15 L=50 41,41,41
s=2,m=5		225.0	0.38	6.0	6.0	0.0	0.10	0.34	0.06	0.08	2d8/15 L=320 4,41,41
		450.0	0.38	6.0	6.0	0.0	0.10	0.54	0.11	0.17	2d8/15 L=50 38,34,44
M_T= 6 Z=500.0 P=3 P=7											
Trave			%Af	Af inf.	Af. sup	Af long.	x/d	V N/M	V V/T cls	V V/T acc	
			0.84	6.03	6.03	0.0	0.21	0.87	0.22	0.42	



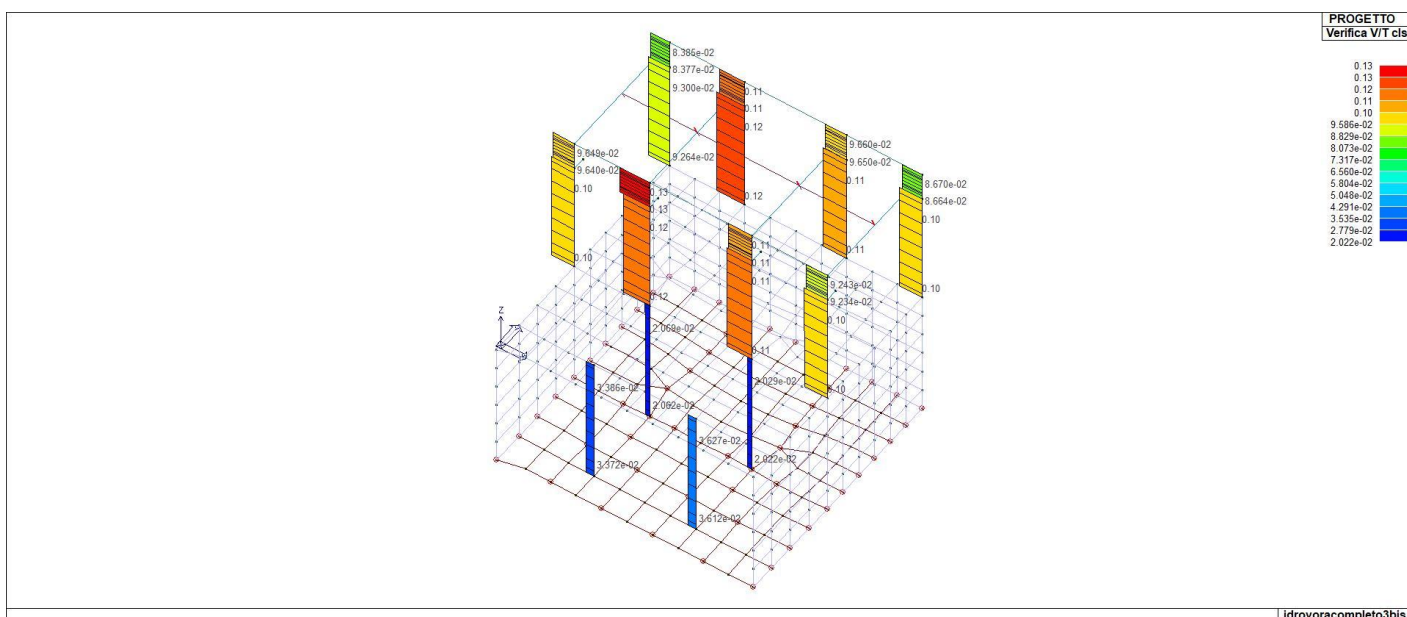
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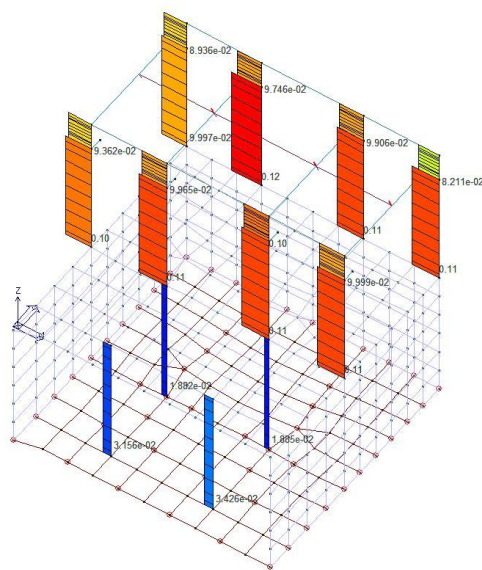
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71_PRO_CA_PIL_VER_NSIS

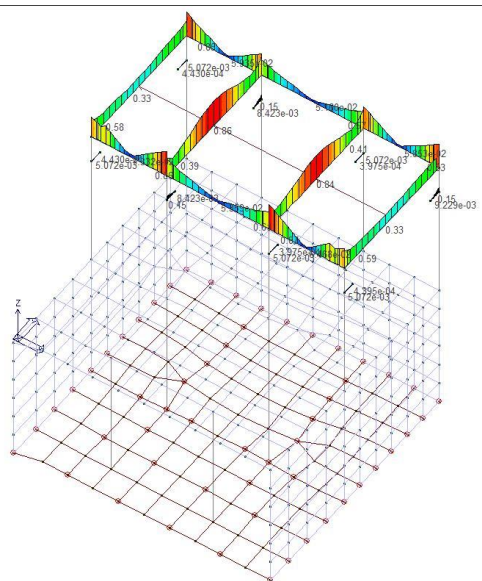


71_PRO_CA_PIL_VER_VRCD



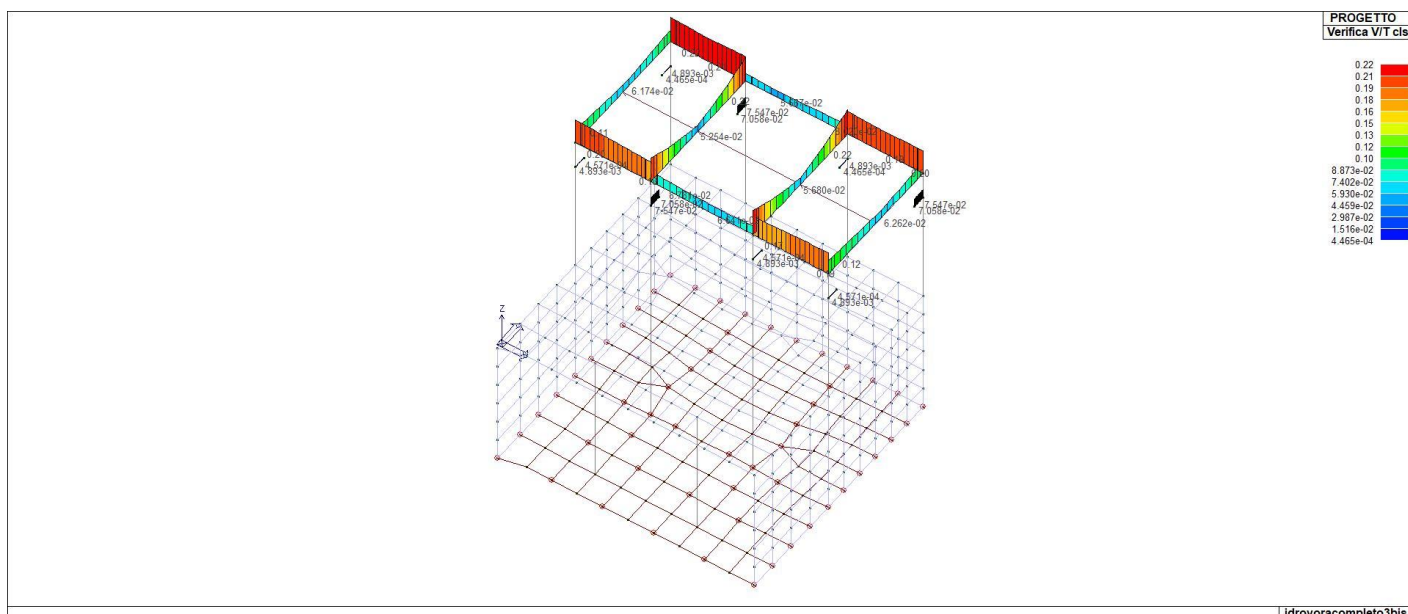
idrovoracompleto3bis

71_PRO_CA_PIL_VER_VRSO

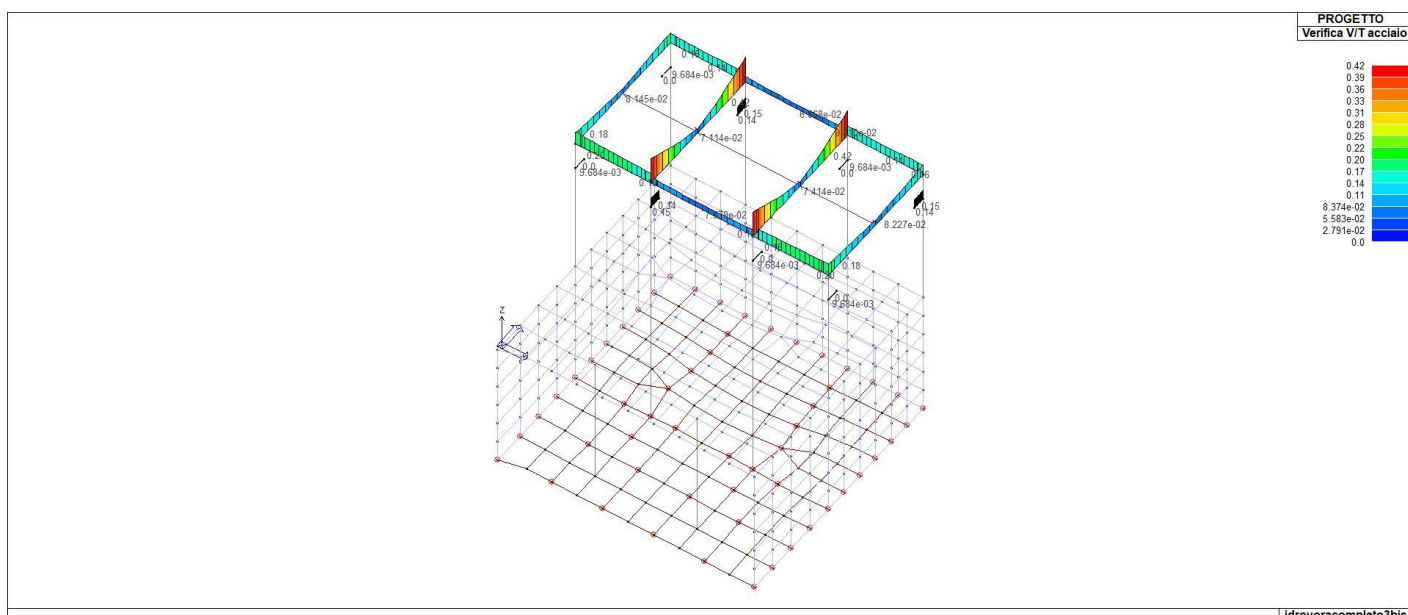


idrovoracompleto3bis

71_PRO_CA_TRV_VER_NM



71_PRO_CA_TRV_VER_VRCD



71_PRO_CA_TRV_VER_VRSD

VERIFICHE ELEMENTI PARETE E/O GUSCIO IN C.A.

LEGENDA TABELLA VERIFICHE ELEMENTI PARETE E GUSCIO IN C.A.

Per le pareti in c.a., in ottemperanza al cap. 7 del DM 17-01-18, viene effettuata una doppia progettazione: sia come *Singolo Elemento* sia come *Parete Sismica* o *Parete Debolmente Armata*.

Per la progettazione come *Singolo Elemento* di ogni elemento vengono riportati il codice dello stato di verifica con le sigle **Ok e NV**, il rapporto x/d , la verifica per sollecitazioni ultime (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti), gli sforzi membranali e flessionali, il quantitativo di armatura nella direzione principale e secondaria sia inferiore che superiore e il quantitativo di armatura a taglio.

Per la progettazione come *Parete Sismica* o *Parete Debolmente Armata* vengono riportate invece le caratteristiche geometriche della parete e delle zone dissipative (quest'ultime solo nel caso di parete sismica), i coefficienti di verifica a compressione assiale, pressoflessione e sollecitazioni taglianti.

Inoltre vengono riportate per ogni quota significativa l'armatura principale e secondaria, l'armatura in zona confinata (solo per parete sismica) e non confinata, l'armatura concentrata all'estremità (per pareti debolmente armate), lo sforzo assiale aggiuntivo per q superiore a 2 e i valori di involuppo di taglio e momento. Per le pareti debolmente armate viene riportato anche lo stato di verifica relativo alla snellezza.

Le azioni derivate dall'analisi, in ogni combinazione di calcolo, sono elaborate come previsto al punto 7.4.4.5.1: traslazione del momento, incremento e variazione diagramma taglio, incremento e decremento sforzo assiale

La progettazione nel caso dei gusci viene effettuata una progettazione come *Singolo Elemento*, riportando in tabella il rapporto x/d , la verifica per sollecitazioni ultime, (verifica a compressione media gli sforzi membranali, verifica a presso-flessionale e verifica a sollecitazioni taglianti) di ogni elemento.

Per ogni elemento, viene riportata inoltre la maglia di armatura necessaria in relazione alle risultanze della progettazione dei nodi dell'elemento stesso. Le quantità di armature necessarie sono armature (disposte rispettivamente in direzione principale e secondaria, inferiore e superiore) distribuite nell'elemento ed espresse in centimetri quadri per sviluppo lineare pari ad un metro.

Nel caso dei gusci viene effettuata, inoltre, la verifica a punzonamento, riportando in tabella il codice dello stato di verifica, il coefficiente di verifica per piastre prive di armature a taglio lungo il perimetro resistente e lungo il perimetro del pilastro, coefficiente di incremento dovuto ai momenti flettenti, fattore di amplificazione per le fondazioni, il fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta, il quantitativo di armatura a punzonamento, il numero di serie di armature, il numero di braccia di armatura ed il riferimento alla combinazione più gravosa.

Simbologia adottata nelle tabelle di verifica

Per gli elementi con progettazione "*Singolo Elemento* ..." è presente una tabella con i simboli di seguito descritti:

Macro Guscio	Numero del macroelemento di tipo guscio (elementi non verticali contigui ed analoghi per proprietà)
Macro Setto	Numero del macroelemento di tipo setto (elementi verticali contigui ed analoghi per proprietà)
Spessore	Spessore della parete
Id Materiale	Codice del materiale assegnato all'elemento
Id Criterio	Codice del criterio di progetto assegnato all'elemento
Progettazione	Sigla tipo di Elemento: - Singolo Elemento; - Singolo Elemento FONDAZIONE; - Singolo

Elemento NON DISSIPATIVO

Per gli elementi con progettazione “*Parete Sismica o Parete Debolmente Armata*” è presente una tabella con i simboli di seguito descritti:

Parete	Numero della PARETE SISMICA
Parete PDA	Numero della PARETE DEBOLMENTE ARMATA
H totale	Altezza complessiva della parete
Spessore	Spessore della parete
H critica	Altezza come da punto 7.4.4.5.1 per traslazione momento (solo in Parete Sismica)
H critica V	Altezza della zona dissipativa (solo in Parete Sismica)
L totale	Larghezza di base della parete
L confinata	Lunghezza della zona dissipativa (solo in Parete Sismica)
Verif. N	Verifica di cui al punto 7.4.4.5.1 compressione semplice
Verif. N-M	Verifica di cui al punto 7.4.4.5.1 pressoflessione
Fattore V	Fattore di amplificazione del taglio di cui al punto 7.4.4.5.1
Diagramma V	Diagramma elaborato per effetto modi superiori come da fig. 7.4.4
Verif. V	Verifica di cui al punto 7.4.4.5.1 taglio (compressione cls, trazione acciaio, scorrimento in zona critica) (solo in Parete Sismica)
Verifica Snellezza	Verifica di cui al punto 7.4.4.5.1 limitazione compressione per prevenire l'instabilità (solo in Parete Debolmente Armata)
Prog. composta	Sigla per la progettazione composta

Per le verifiche degli elementi con progettazione “*Singolo Elemento ...*” e *Progettazione Composta* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento ok o NV
x/d	rapporto tra posizione dell'asse neutro e altezza utile alla rottura della sezione (per sola flessione)
V N/M	Verifica delle sollecitazioni Normali (momento e sforzo normale)
Ver. rid	Rapporto Nd/Nu (Nu ottenuto con riduzione del 25% di fcd)
Af pr+	quantità di armatura richiesta in direzione principale relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af pr-	quantità di armatura richiesta in direzione principale relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec+	quantità di armatura richiesta in direzione secondaria relativa alla faccia positiva (estradosso piastre) (valore derivante da calcolo o minimo normativo)
Af sec-	quantità di armatura richiesta in direzione secondaria relativa alla faccia negativa (intradosso piastre) (valore derivante da calcolo o minimo normativo)
Nz No Nzo	Sforzi membranali per pareti e/o setti verticali
Mz Mo Mzo	Sforzi flessionali per pareti e/o setti verticali
Nx Ny Nxy	Sforzi membranali per gusci orizzontali
Mx My Mxy	Sforzi flessionali per gusci orizzontali

Nodo	numero del nodo
Stato	codice di verifica dell'elemento ok o NV
Max tau	Tensione tangenziale Massima
Ver V pr	Verifica a taglio nella direzione principale lato calcestruzzo
Ver V sec	Verifica a taglio nella direzione secondaria lato calcestruzzo
Af V pr	Armatura nella direzione principale
V pr-	Verifica dell'armatura nella direzione principale
Af V sec	Armatura nella direzione secondaria
V sec-	Verifica dell'armatura nella direzione secondaria

Per le verifiche degli elementi con progettazione “*Parete Sismica o Parete Debolmente Armata*”, oltre alla tabella con le verifiche per gli elementi con progettazione “*Singolo Elemento ...*”, è presente una tabella con i simboli di seguito descritti:

Quota	Ascissa verticale di riferimento
Af conf.	Numero e diametro armatura presente in una zona confinata
Af std	Diametro e passo armatura in zona non confinata (doppia maglia)
Af estremi	Diametro dei ferri di estremità del pannello; se posto uguale 0, viene utilizzato il diametro standard
Af V (ori)	Diametro e passo armatura orizzontale (doppia maglia)
Ver. N	Rapporto tra azione di calcolo e resistenza a compressione (normalizzato a 1 in quanto da confrontare con 40% in CDB e 35 % in CDA)
Ver. N/M	Rapporto tra azione di calcolo e resistenza a pressoflessione
Ver. V acc(7)	Rapporto tra azione di calcolo e resistenza a taglio-trazione per alfaS minore di 2 secondo paragrafo 7.4.4.5.1
Ver. V cls	Rapporto tra azione di calcolo e resistenza a taglio-compressione
Ver. V acc	Rapporto tra azione di calcolo e resistenza a taglio-trazione
Ver. V scorr.	Rapporto tra azione di calcolo e resistenza a taglio scorrimento
N add	Sforzo assiale di cui al punto 7.4.4.5.1 da sommare e sottrarre nelle verifiche quando q supera 2
N invil M invil	Inviluppo del Momento e Sforzo Normale come al punto 7.4.4.5.1 (informativo) (solo in Parete Sismica)

Quota	Ascissa verticale di riferimento
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore
N v.Vacc, M v.Vacc, V v.Vacc,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. acc attinge il massimo valore
N v.Vscorr, M v.Vscorr, V v.Vscorr,	Valore dello sforzo assiale, momento e taglio per cui Ver. V. scorr.e attinge il massimo valore
N v.N	Valore dello sforzo assiale per cui Ver. N attinge il massimo valore
N v.M/N, M v.M/N	Valore dello sforzo assiale e momento per cui Ver. N/M attinge il massimo valore
N v.M/N, M v.M/N Mo v.M/N	Valore dello sforzo assiale e dei momenti per cui Ver. N/M attinge il massimo valore (per le pareti estese debolmente armate)
N v.Vcls, V v.Vcls,	Valore dello sforzo assiale e taglio per cui Ver. V. cls attinge il massimo valore

Quota	Ascissa verticale di riferimento
CtgT Vcls	Valore di ctg(teta) adottato nella verifica V compressione cls
Vrsd Vcls	Valore della resistenza a taglio trazione (armatura di calcolo)
Vrcd Vcls	Valore della resistenza a taglio compressione
CtgT Vacc	Valore di ctg(teta) adottato nella verifica V trazione armatura
Vrsd Vacc	Valore della resistenza a taglio trazione (armatura presente)
Vrcd Vacc	Valore della resistenza a taglio compressione
Vdd	Valore del contributo alla resistenza allo scorrimento come da [7.4.20]
Vid	Valore del contributo alla resistenza allo scorrimento come da [7.4.21]
A s.i.	Somma delle aree di armature
Incli.	Angolo di inclinazione delle armature

Dist.	Distanza alla base tra le armature inclinate
Quota	Ascissa verticale di riferimento
V[7.4.16]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.16)
N M V	Sollecitazioni di calcolo della condizione più gravosa
Alfas	Rapporto di Taglio
Vrd,c	Resistenza a taglio degli elementi non armati
VRd,s	Resistenza a taglio nei confronti dello scorrimento
V[7.4.17]	Verifica a taglio-trazione dell'armatura dell'anima (7.4.17)
roH	Rapporto tra l'armatura orizzontale e l'area della sezione relativa di calcestruzzo
roV	Rapporto tra l'armatura verticale e l'area della sezione relativa di calcestruzzo
roN	Sforzo normale adimensionalizzato $N_{ed}/(b_w f_{yd})$

Per la verifica a *Punzonamento* è presente una tabella con i simboli di seguito descritti:

Nodo	numero del nodo
Stato	codice di verifica dell'elemento ok o NV
V. 6.47	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro resistente U1
V. 6.53	Fattore di sicurezza per la verifica per piastre prive di armature a taglio lungo il perimetro del pilastro U0
Beta	Fattore di incremento dovuto ai momenti flettenti
f. a fon	fattore di amplificazione per le fondazioni (solo per gusci di fondazione)
f. Uout	fattore di amplificazione dell'altezza utile per individuare il perimetro di verifica lungo il quale l'armatura a taglio non è richiesta
Aw tot	Quantitativo di armatura per la verifica di piastre munite di armatura (formula 6.52 dell'EC2)
Asw,min	Quantitativo minimo di armatura previsto dai dettagli costruttivi (formula 9.11 dell'EC2)
n. x serie	Numero di serie di armature
n.ser 0(R)	Numero di braccia delle armature in direzione 0 (o numero di braccia radiale)
n.ser 90	Numero di braccia delle armature in direzione 90 (solo se armatura cruciforme)
Rif. cmb	Riferimento combinazioni da cui si generano le verifiche più gravose

PROGETTAZIONE DELLE FONDAZIONI

Il D.M.17/01/2018 - par: 7.2.5 prevede:

“Sia per CD“A” sia per CD“B” il dimensionamento delle strutture di fondazione e la verifica di sicurezza del complesso fondazione-terreno devono essere eseguiti assumendo come azione in fondazione, trasmessa dagli elementi soprastanti, una tra le seguenti:

- quella derivante dall'analisi strutturale eseguita ipotizzando comportamento strutturale non dissipativo;
- [...];
- quella trasferita dagli elementi soprastanti nell'ipotesi di comportamento strutturale dissipativo, amplificata di un coefficiente pari a 1,30 in CD“A” e 1,10 in CD“B”;

Nel contesto visualizzazione risultati e nella stampa della relazione sulle fondazioni PRO_SAP mostra le sollecitazioni che derivano dall'analisi non incrementate sia in termini di pressioni sul terreno che in termini di sollecitazioni.

La progettazione degli elementi strutturali con proprietà fondazione è effettuata da PRO_SAP (per travi e platee) o da PRO_CAD Plinti (per plinti e pali di fondazione) incrementando le sollecitazioni delle combinazioni con sisma di un coefficiente pari 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

Per i bicchieri dei plinti di fondazione prefabbricati l'incremento delle sollecitazioni ha un fattore pari a 1.2 in CDB e 1.35 in CDA.

N.B.: nel caso di comportamento strutturale non dissipativo la progettazione viene effettuata senza nessun

incremento.

Le verifiche geotecniche vengono effettuate dal modulo geotecnico incrementando automaticamente le sollecitazioni del fattore 1.1 in CDB e 1.3 in CDA per pali, plinti, travi e platee.

N.B.: nel caso di comportamento strutturale non dissipativo le verifiche geotecniche vengono effettuate senza nessun incremento.

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
3	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
9	ok	0.10	0.3	4.42e-02	10.1	10.1	5.7	5.7	-216.1	121.3	61.7	-241.3	-117.7	218.3
13	ok	0.10	0.5	3.34e-02	10.1	10.1	5.7	5.7	-120.0	-23.7	-85.2	-2578.7	-861.8	-1970.9
84	ok	0.10	0.2	1.15e-02	10.1	10.1	5.7	5.7	-40.5	-6.5	21.6	2096.0	426.9	-86.5
85	ok	0.10	0.5	2.13e-02	10.1	10.1	5.7	5.7	-37.5	-24.1	-29.6	2229.4	448.9	-280.6
89	ok	0.10	0.3	1.34e-02	10.1	10.1	5.7	5.7	-17.9	4.2	-8.8	2292.9	482.1	59.6
90	ok	0.10	0.3	1.36e-02	10.1	10.1	5.7	5.7	-39.8	-11.4	11.6	1954.6	441.6	162.8
94	ok	0.10	0.5	1.90e-02	10.1	10.1	5.7	5.7	-12.8	-0.2	35.3	4314.4	1044.6	437.3
100	ok	0.10	0.2	4.67e-03	10.1	10.1	5.7	5.7	-15.6	-1.5	-7.2	1559.5	66.6	37.7
101	ok	0.10	0.2	1.02e-02	10.1	10.1	5.7	5.7	-41.0	-6.9	13.0	1862.9	391.2	-65.8
122	ok	0.10	0.2	1.21e-02	10.1	10.1	5.7	5.7	-10.7	-8.4	8.8	1751.8	400.2	320.2
125	ok	0.10	0.3	2.18e-02	10.1	10.1	5.7	5.7	120.0	64.4	-44.4	954.7	206.2	445.5
145	ok	0.10	0.1	5.71e-02	10.1	10.1	5.7	5.7	-191.9	-20.3	-118.2	-372.8	65.9	-92.0
147	ok	0.10	0.2	3.38e-02	10.1	10.1	5.7	5.7	-75.5	1.0	103.9	-2076.6	-425.2	130.9
204	ok	0.10	0.3	2.84e-02	10.1	10.1	5.7	5.7	-47.8	20.8	-85.2	-2215.5	-456.7	-76.0
205	ok	0.10	0.3	2.93e-02	10.1	10.1	5.7	5.7	-58.0	12.8	99.7	-2145.1	-434.5	87.6
209	ok	0.10	0.2	3.95e-02	10.1	10.1	5.7	5.7	-95.1	-14.3	107.4	-1620.6	-333.1	202.0
210	ok	0.10	0.2	4.12e-02	10.1	10.1	5.7	5.7	-101.7	-22.0	106.3	-1227.6	-255.8	202.1
214	ok	0.10	0.2	3.80e-02	10.1	10.1	5.7	5.7	-87.4	-7.0	108.3	-1925.3	-395.9	173.4
220	ok	0.10	0.2	9.71e-02	10.1	10.1	5.7	5.7	-368.1	-16.2	162.2	-1155.1	56.9	4.5
221	ok	0.10	0.4	2.99e-02	10.1	10.1	5.7	5.7	-72.5	32.5	98.5	-1934.3	-352.7	-71.4
242	ok	0.10	0.2	4.28e-02	10.1	10.1	5.7	5.7	-103.1	-28.0	107.4	-838.5	-192.0	197.9
245	ok	0.10	0.3	4.55e-02	10.1	10.1	5.7	5.7	-80.6	-27.9	121.1	-397.6	-157.9	236.1
253	ok	0.10	0.3	2.62e-02	10.1	10.1	5.7	5.7	-105.8	-95.6	0.9	-269.7	-926.8	-104.8
254	ok	0.10	0.2	1.35e-02	10.1	10.1	5.7	5.7	-74.0	6.6	12.2	-142.7	-771.2	-93.3
255	ok	0.10	0.1	1.76e-02	10.1	10.1	5.7	5.7	-67.1	8.3	17.0	-104.7	-593.6	-49.6
256	ok	0.10	8.27e-02	2.33e-02	10.1	10.1	5.7	5.7	-92.9	1.3	17.1	-14.3	-109.0	-20.3
257	ok	0.10	0.2	3.65e-02	10.1	10.1	5.7	5.7	-143.6	-32.1	49.5	30.7	214.7	94.9
258	ok	0.10	0.1	4.50e-02	10.1	10.1	5.7	5.7	-202.1	-34.0	1.0	-1191.7	3.0	-46.9
259	ok	0.10	6.82e-02	2.50e-02	10.1	10.1	5.7	5.7	-112.0	-5.5	-1.6	-563.0	2.23e-02	-52.9
260	ok	0.10	2.43e-02	1.69e-02	10.1	10.1	5.7	5.7	-69.4	1.4	-2.9	95.1	0.4	-66.2
261	ok	0.10	7.73e-02	1.16e-02	10.1	10.1	5.7	5.7	-50.9	-0.2	-3.7	731.5	-3.7	-58.9
262	ok	0.10	0.1	7.62e-03	10.1	10.1	5.7	5.7	-27.3	0.6	-2.0	1332.0	-15.9	5.5
263	ok	0.10	0.1	3.26e-02	10.1	10.1	5.7	5.7	-113.6	-27.4	-59.5	-260.8	-134.9	-32.7
264	ok	0.10	5.31e-02	2.29e-02	10.1	10.1	5.7	5.7	-94.8	-3.4	-5.2	-115.9	-147.9	-222.1
265	ok	0.10	6.15e-02	1.90e-02	10.1	10.1	5.7	5.7	-77.6	6.1	-2.4	-45.5	-207.8	-283.8
266	ok	0.10	0.1	1.60e-02	10.1	10.1	5.7	5.7	-75.8	-5.7	18.7	8.0	-203.2	-235.4
267	ok	0.10	0.1	1.59e-02	10.1	10.1	5.7	5.7	-28.0	42.7	36.1	327.6	-64.2	136.6
268	ok	0.10	9.02e-02	3.09e-02	10.1	10.1	5.7	5.7	-100.2	-16.4	-12.7	-520.8	-125.3	-63.9
269	ok	0.10	5.56e-02	2.22e-02	10.1	10.1	5.7	5.7	-90.5	-5.5	-10.6	-240.0	-56.6	-221.6
270	ok	0.10	4.49e-02	1.94e-02	10.1	10.1	5.7	5.7	-86.3	1.1	-8.9	40.2	60.9	-260.5
271	ok	0.10	6.16e-02	1.63e-02	10.1	10.1	5.7	5.7	-72.9	3.6	2.8	422.5	209.5	-138.3
272	ok	0.10	0.1	1.36e-02	10.1	10.1	5.7	5.7	-67.2	-4.5	25.6	737.1	299.8	194.1
273	ok	0.10	8.64e-02	2.95e-02	10.1	10.1	5.7	5.7	-102.5	-14.3	-57.2	-768.2	-143.7	-35.8
274	ok	0.10	5.54e-02	2.18e-02	10.1	10.1	5.7	5.7	-86.9	-5.7	-12.3	-339.5	-0.9	-167.0
275	ok	0.10	5.47e-02	1.94e-02	10.1	10.1	5.7	5.7	-85.2	-2.1	-12.6	111.6	179.5	-182.5
276	ok	0.10	7.97e-02	1.70e-02	10.1	10.1	5.7	5.7	-75.2	0.6	-9.7	674.2	380.4	-81.6
277	ok	0.10	0.2	1.48e-02	10.1	10.1	5.7	5.7	-40.1	6.5	-22.7	1063.7	399.0	106.8
278	ok	0.10	0.1	2.83e-02	10.1	10.1	5.7	5.7	-95.9	-10.7	42.0	-975.5	-191.3	57.3
279	ok	0.10	5.55e-02	2.10e-02	10.1	10.1	5.7	5.7	-83.5	-5.0	-6.7	-413.5	-14.5	-97.5
280	ok	0.10	5.72e-02	1.92e-02	10.1	10.1	5.7	5.7	-83.9	-3.8	-13.5	161.8	187.3	-103.5
281	ok	0.10	8.78e-02	1.74e-02	10.1	10.1	5.7	5.7	-76.4	-2.9	-11.4	825.4	390.1	-36.5
282	ok	0.10	0.2	1.55e-02	10.1	10.1	5.7	5.7	-62.9	-2.4	1.3	1717.3	566.1	54.4
283	ok	0.10	0.1	2.70e-02	10.1	10.1	5.7	5.7	-88.8	-4.8	42.1	-1135.5	-243.7	82.6
284	ok	0.10	5.75e-02	1.99e-02	10.1	10.1	5.7	5.7	-79.1	-4.2	-4.9	-471.3	-63.6	-38.1
285	ok	0.10	4.08e-02	1.87e-02	10.1	10.1	5.7	5.7	-82.2	-4.7	-11.5	184.7	127.8	-44.0

286	ok	0.10	9.29e-02	1.80e-02	10.1	10.1	5.7	5.7	-70.7	-4.7	-9.6	889.5	312.5	4.6
287	ok	0.10	0.2	1.80e-02	10.1	10.1	5.7	5.7	-78.4	-14.3	7.9	1713.9	472.9	48.1
288	ok	0.10	0.1	2.56e-02	10.1	10.1	5.7	5.7	-75.6	-5.3	33.1	-1251.2	-277.3	85.9
289	ok	0.10	5.97e-02	1.81e-02	10.1	10.1	5.7	5.7	-77.8	-6.0	3.0	-512.5	-117.4	2.7
290	ok	0.10	3.59e-02	1.75e-02	10.1	10.1	5.7	5.7	-70.8	-4.4	-4.8	177.8	60.3	-10.3
291	ok	0.10	9.31e-02	1.77e-02	10.1	10.1	5.7	5.7	-71.8	-5.6	0.5	891.9	221.3	-2.3
292	ok	0.10	0.2	1.78e-02	10.1	10.1	5.7	5.7	-64.8	17.7	12.4	1864.1	-30.4	781.9
293	ok	0.10	0.1	1.96e-02	10.1	10.1	5.7	5.7	-67.7	-3.0	39.9	-1307.4	-306.4	58.3
294	ok	0.10	6.18e-02	1.56e-02	10.1	10.1	5.7	5.7	-68.8	-10.8	-2.4	-544.0	-156.3	20.3
295	ok	0.10	3.72e-02	1.61e-02	10.1	10.1	5.7	5.7	-59.7	-3.2	20.9	148.7	17.1	-5.0
296	ok	0.10	8.79e-02	1.68e-02	10.1	10.1	5.7	5.7	-71.8	-8.6	6.4	833.6	159.3	-20.7
297	ok	0.10	0.2	1.82e-02	10.1	10.1	5.7	5.7	-36.2	16.2	40.3	991.9	244.0	-112.8
298	ok	0.10	0.1	2.03e-02	10.1	10.1	5.7	5.7	-63.9	-7.8	45.5	-1267.8	-318.4	20.4
299	ok	0.10	6.23e-02	1.61e-02	10.1	10.1	5.7	5.7	-55.4	-14.9	21.0	-546.7	-156.4	36.2
300	ok	0.10	3.66e-02	1.65e-02	10.1	10.1	5.7	5.7	-55.0	-4.8	22.1	149.0	13.0	81.7
301	ok	0.10	8.14e-02	1.52e-02	10.1	10.1	5.7	5.7	-60.1	-9.2	12.1	775.2	128.7	1.3
302	ok	0.10	0.1	1.32e-02	10.1	10.1	5.7	5.7	-36.1	-7.0	19.2	890.9	201.9	-44.1
303	ok	0.10	0.1	3.63e-02	10.1	10.1	5.7	5.7	-63.8	-27.1	31.6	-1181.0	-190.8	28.1
304	ok	0.10	6.45e-02	2.30e-02	10.1	10.1	5.7	5.7	-73.0	-12.2	23.2	-541.3	-88.5	23.0
305	ok	0.10	2.77e-02	1.81e-02	10.1	10.1	5.7	5.7	-63.5	-5.4	14.4	105.6	-12.8	8.1
306	ok	0.10	7.77e-02	1.42e-02	10.1	10.1	5.7	5.7	-58.8	-3.5	16.8	734.3	63.0	-9.8
307	ok	0.10	0.1	1.11e-02	10.1	10.1	5.7	5.7	-39.8	-2.2	4.8	1301.5	187.1	-19.5

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.10	0.51	0.10	10.05	10.05	5.65	5.65	-368.09	-95.61	-118.21	-2578.72	-926.77	-1970.87
								120.05	121.25	162.19	4314.39	1044.62	781.93

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
9	ok	1.54						
13	ok	4.45						
84	ok	0.79						
85	ok	4.45						
89	ok	0.84						
90	ok	0.86						
94	ok	4.73						
100	ok	0.48						
101	ok	0.66						
122	ok	1.11						
125	ok	1.35						
145	ok	3.34						
147	ok	0.58						
204	ok	0.51						
205	ok	0.53						
209	ok	0.66						
210	ok	0.64						
214	ok	0.68						
220	ok	0.87						
221	ok	0.94						
242	ok	0.67						
245	ok	1.81						
253	ok	2.21						
254	ok	0.59						
255	ok	0.36						
256	ok	0.29						
257	ok	1.25						
258	ok	1.04						
259	ok	0.56						
260	ok	0.57						
261	ok	0.54						
262	ok	0.47						
263	ok	1.14						
264	ok	0.25						
265	ok	0.23						
266	ok	0.51						
267	ok	1.52						
268	ok	0.68						
269	ok	0.20						
270	ok	0.22						
271	ok	0.41						
272	ok	1.13						
273	ok	0.66						
274	ok	0.25						
275	ok	0.29						
276	ok	0.39						
277	ok	0.74						

278	ok	0.66
279	ok	0.32
280	ok	0.34
281	ok	0.40
282	ok	0.53
283	ok	0.61
284	ok	0.36
285	ok	0.36
286	ok	0.39
287	ok	1.20
288	ok	0.54
289	ok	0.37
290	ok	0.36
291	ok	0.60
292	ok	1.97
293	ok	0.46
294	ok	0.37
295	ok	0.36
296	ok	0.37
297	ok	1.05
298	ok	0.43
299	ok	0.35
300	ok	0.34
301	ok	0.34
302	ok	0.41
303	ok	0.61
304	ok	0.34
305	ok	0.32
306	ok	0.32
307	ok	0.36

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	4.73						

Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
4	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
									daN/cm	daN/cm	daN/cm	daN	daN	daN
1	ok	0.11	0.4	3.21e-02	11.2	11.2	11.2	11.2	-119.8	-24.9	-85.6	2627.4	872.6	1987.7
3	ok	0.11	0.1	3.72e-02	11.2	11.2	11.2	11.2	-185.0	113.2	51.4	228.2	127.8	-210.1
39	ok	0.11	0.4	1.87e-02	11.2	11.2	11.2	11.2	-14.1	-1.1	35.3	-4328.8	-1049.3	-447.0
42	ok	0.11	0.3	1.33e-02	11.2	11.2	11.2	11.2	-18.0	3.7	-8.8	-2280.2	-480.2	-67.5
48	ok	0.11	0.2	1.18e-02	11.2	11.2	11.2	11.2	-13.3	-9.2	9.4	-1742.4	-404.7	-322.4
51	ok	0.11	0.2	2.02e-02	11.2	11.2	11.2	11.2	106.7	59.9	-38.2	-931.3	-204.4	-441.8
119	ok	0.11	0.1	3.92e-03	11.2	11.2	11.2	11.2	-11.7	0.4	-9.1	-1157.1	-62.5	19.8
120	ok	0.11	0.2	9.66e-03	11.2	11.2	11.2	11.2	-37.3	-6.9	16.1	-1731.1	-366.0	101.8
132	ok	0.11	0.3	1.33e-02	11.2	11.2	11.2	11.2	-40.1	-12.2	11.6	-1946.3	-440.6	-166.8
134	ok	0.11	0.4	2.07e-02	11.2	11.2	11.2	11.2	-37.2	-25.6	-29.7	-2259.7	-459.8	293.8
136	ok	0.11	0.2	1.12e-02	11.2	11.2	11.2	11.2	-40.0	-8.4	22.2	-2002.0	-408.0	102.9
141	ok	0.11	0.2	3.25e-02	11.2	11.2	11.2	11.2	-75.9	1.2	104.4	2026.2	416.7	-126.3
142	ok	0.11	0.1	5.41e-02	11.2	11.2	11.2	11.2	-188.4	-20.4	-115.9	371.1	-67.4	88.3
148	ok	0.11	0.2	2.87e-02	11.2	11.2	11.2	11.2	-59.7	12.2	101.3	2053.7	417.4	-76.8
159	ok	0.11	0.2	3.65e-02	11.2	11.2	11.2	11.2	-87.5	-6.7	107.8	1890.6	390.2	-174.3
162	ok	0.11	0.1	3.78e-02	11.2	11.2	11.2	11.2	-94.9	-14.4	105.9	1588.9	327.3	-205.5
168	ok	0.11	0.1	4.08e-02	11.2	11.2	11.2	11.2	-102.4	-29.2	105.7	822.0	189.5	-200.3
171	ok	0.11	0.2	4.31e-02	11.2	11.2	11.2	11.2	-79.6	-29.2	118.8	394.9	159.1	-237.9
229	ok	0.11	0.2	2.83e-02	11.2	11.2	11.2	11.2	-54.6	17.9	-86.7	2067.2	424.7	91.3
239	ok	0.11	0.1	8.12e-02	11.2	11.2	11.2	11.2	-317.5	-0.9	142.1	742.4	-86.5	53.1
240	ok	0.11	0.3	2.93e-02	11.2	11.2	11.2	11.2	-72.0	31.5	101.4	1765.7	340.5	93.8
252	ok	0.11	0.1	3.94e-02	11.2	11.2	11.2	11.2	-100.9	-22.6	104.5	1198.7	250.2	-205.2
308	ok	0.11	0.1	6.42e-03	11.2	11.2	11.2	11.2	-22.1	-0.8	-3.6	-1152.5	7.0	-34.3
309	ok	0.11	6.30e-02	1.03e-02	11.2	11.2	11.2	11.2	-39.9	0.9	-4.2	-655.9	4.8	30.0
310	ok	0.11	2.13e-02	1.55e-02	11.2	11.2	11.2	11.2	-64.6	1.4	-3.0	-110.9	-0.5	36.4
311	ok	0.11	5.31e-02	2.35e-02	11.2	11.2	11.2	11.2	-107.8	-4.7	-0.4	448.0	-3.8	30.8
312	ok	0.11	9.77e-02	4.41e-02	11.2	11.2	11.2	11.2	-198.7	-45.6	22.1	948.5	-12.9	50.3
313	ok	0.11	0.1	3.48e-02	11.2	11.2	11.2	11.2	-139.8	-32.1	50.1	-32.5	-216.8	-99.8
314	ok	0.11	4.37e-02	2.17e-02	11.2	11.2	11.2	11.2	-87.5	1.1	18.3	13.2	107.2	11.1
315	ok	0.11	6.49e-02	1.56e-02	11.2	11.2	11.2	11.2	-58.9	7.8	18.4	102.7	588.3	38.1
316	ok	0.11	9.97e-02	1.20e-02	11.2	11.2	11.2	11.2	-66.2	6.9	12.9	138.3	765.3	85.3
317	ok	0.11	0.2	2.25e-02	11.2	11.2	11.2	11.2	-89.5	-86.0	3.0	232.8	893.9	92.1

318	ok	0.11	9.97e-02	2.30e-02	11.2	11.2	11.2	11.2	-54.6	-18.2	-32.4	990.8	187.3	18.4
319	ok	0.11	5.17e-02	2.06e-02	11.2	11.2	11.2	11.2	-62.4	-13.8	20.7	456.7	87.4	-59.2
320	ok	0.11	2.29e-02	1.70e-02	11.2	11.2	11.2	11.2	-57.5	-6.9	15.2	-120.4	9.6	-53.8
321	ok	0.11	6.58e-02	1.37e-02	11.2	11.2	11.2	11.2	-47.1	-4.3	10.1	-680.8	-70.4	-40.2
322	ok	0.11	0.1	1.08e-02	11.2	11.2	11.2	11.2	-37.8	-3.0	6.8	-1191.4	-188.3	23.0
323	ok	0.11	0.1	1.97e-02	11.2	11.2	11.2	11.2	-65.7	-3.7	46.1	1170.1	305.2	-22.6
324	ok	0.11	5.11e-02	1.44e-02	11.2	11.2	11.2	11.2	-53.8	-12.5	17.6	485.0	150.7	-63.0
325	ok	0.11	2.54e-02	1.52e-02	11.2	11.2	11.2	11.2	-52.6	-4.4	21.0	-155.6	-16.0	-97.9
326	ok	0.11	7.14e-02	1.44e-02	11.2	11.2	11.2	11.2	-58.4	-9.6	11.9	-743.3	-132.1	-29.9
327	ok	0.11	0.1	1.28e-02	11.2	11.2	11.2	11.2	-35.5	-8.0	19.4	-858.1	-202.5	39.8
328	ok	0.11	0.1	1.93e-02	11.2	11.2	11.2	11.2	-69.2	-1.7	40.8	1235.4	295.3	-65.7
329	ok	0.11	5.29e-02	1.54e-02	11.2	11.2	11.2	11.2	-69.7	-8.5	-3.3	498.9	150.5	-42.7
330	ok	0.11	2.96e-02	1.57e-02	11.2	11.2	11.2	11.2	-69.4	-8.6	12.2	-167.4	-7.9	-37.8
331	ok	0.11	7.85e-02	1.63e-02	11.2	11.2	11.2	11.2	-70.7	-7.8	15.8	-813.9	-163.3	-7.7
332	ok	0.11	0.1	1.77e-02	11.2	11.2	11.2	11.2	-36.3	15.4	39.6	-975.0	-248.0	109.0
333	ok	0.11	0.1	2.49e-02	11.2	11.2	11.2	11.2	-76.2	-4.5	33.3	1202.4	272.5	-94.4
334	ok	0.11	5.19e-02	1.80e-02	11.2	11.2	11.2	11.2	-72.2	-3.4	-0.8	484.3	111.7	-19.6
335	ok	0.11	3.30e-02	1.74e-02	11.2	11.2	11.2	11.2	-71.7	-2.8	-5.6	-190.0	-63.3	-12.7
336	ok	0.11	8.44e-02	1.76e-02	11.2	11.2	11.2	11.2	-72.9	-5.0	6.88e-02	-884.5	-224.2	-19.3
337	ok	0.11	0.2	1.77e-02	11.2	11.2	11.2	11.2	-65.4	18.4	12.4	-1854.5	30.2	-797.1
338	ok	0.11	0.1	2.61e-02	11.2	11.2	11.2	11.2	-89.0	-4.2	41.5	1100.4	240.9	-92.1
339	ok	0.11	4.98e-02	1.97e-02	11.2	11.2	11.2	11.2	-79.7	-2.7	-5.9	446.2	61.6	21.1
340	ok	0.11	3.34e-02	1.86e-02	11.2	11.2	11.2	11.2	-83.3	-3.0	-12.4	-196.0	-129.8	23.6
341	ok	0.11	8.46e-02	1.80e-02	11.2	11.2	11.2	11.2	-72.0	-3.6	-10.3	-886.7	-315.2	-25.0
342	ok	0.11	0.2	1.81e-02	11.2	11.2	11.2	11.2	-80.6	-14.6	7.9	-1703.0	-477.4	-67.0
343	ok	0.11	9.21e-02	2.74e-02	11.2	11.2	11.2	11.2	-95.8	-10.2	40.7	949.4	188.0	-67.8
344	ok	0.11	4.76e-02	2.07e-02	11.2	11.2	11.2	11.2	-83.6	-3.5	-8.1	394.2	12.5	81.9
345	ok	0.11	3.22e-02	1.90e-02	11.2	11.2	11.2	11.2	-84.5	-1.9	-14.9	-171.7	-188.9	85.3
346	ok	0.11	7.97e-02	1.73e-02	11.2	11.2	11.2	11.2	-77.4	-1.2	-12.4	-825.2	-391.7	19.3
347	ok	0.11	0.2	1.55e-02	11.2	11.2	11.2	11.2	-63.8	-2.1	0.8	-1711.0	-569.3	-68.2
348	ok	0.11	7.62e-02	2.86e-02	11.2	11.2	11.2	11.2	-101.1	-14.1	40.1	750.1	140.8	-36.5
349	ok	0.11	4.54e-02	2.12e-02	11.2	11.2	11.2	11.2	-86.0	-4.4	-14.2	324.7	-1.4	151.5
350	ok	0.11	3.26e-02	1.90e-02	11.2	11.2	11.2	11.2	-84.8	-6.17e-02	-14.5	-120.6	-180.5	165.0
351	ok	0.11	6.82e-02	1.68e-02	11.2	11.2	11.2	11.2	-75.5	2.9	-11.0	-676.7	-379.8	65.2
352	ok	0.11	0.1	1.47e-02	11.2	11.2	11.2	11.2	-40.4	7.0	-22.3	-1055.0	-396.6	-118.8
353	ok	0.11	5.88e-02	2.97e-02	11.2	11.2	11.2	11.2	-98.3	-16.3	-13.8	507.1	122.6	53.0
354	ok	0.11	4.28e-02	2.13e-02	11.2	11.2	11.2	11.2	-88.0	-4.6	-12.4	229.5	54.1	206.0
355	ok	0.11	3.10e-02	1.86e-02	11.2	11.2	11.2	11.2	-83.6	2.9	-11.3	-47.9	-62.4	242.1
356	ok	0.11	4.98e-02	1.56e-02	11.2	11.2	11.2	11.2	-70.8	7.0	-7.3	-421.7	-218.9	125.7
357	ok	0.11	0.1	1.30e-02	11.2	11.2	11.2	11.2	-65.8	-2.4	24.4	-735.7	-295.8	-199.7
358	ok	0.11	6.55e-02	3.08e-02	11.2	11.2	11.2	11.2	-110.5	-27.2	-59.1	252.7	133.4	20.6
359	ok	0.11	3.66e-02	2.15e-02	11.2	11.2	11.2	11.2	-90.3	-3.3	-5.9	110.2	144.7	205.5
360	ok	0.11	3.88e-02	1.72e-02	11.2	11.2	11.2	11.2	-71.2	6.8	-4.1	39.8	203.4	263.6
361	ok	0.11	5.43e-02	1.39e-02	11.2	11.2	11.2	11.2	-62.7	11.2	7.7	-112.1	198.6	163.8
362	ok	0.11	9.14e-02	1.43e-02	11.2	11.2	11.2	11.2	-26.6	46.3	35.3	-339.1	61.2	-141.3

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.11	0.43	0.08	11.17	11.17	11.17	11.17	-317.52	-85.97	-115.89	-4328.80	-1049.34	-797.06
								106.70	113.24	142.11	2627.43	893.89	1987.68

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
1	ok	4.50						
3	ok	1.41						
39	ok	4.78						
42	ok	0.84						
48	ok	1.12						
51	ok	1.37						
119	ok	0.35						
120	ok	0.65						
132	ok	0.87						
134	ok	4.49						
136	ok	0.79						
141	ok	0.57						
142	ok	3.34						
148	ok	0.52						
159	ok	0.68						
162	ok	0.67						
168	ok	0.68						
171	ok	1.81						
229	ok	0.48						
239	ok	0.96						
240	ok	0.83						
252	ok	0.64						
308	ok	0.34						
309	ok	0.42						

310	ok	0.44
311	ok	0.45
312	ok	1.11
313	ok	1.25
314	ok	0.27
315	ok	0.34
316	ok	0.60
317	ok	2.07
318	ok	0.67
319	ok	0.32
320	ok	0.29
321	ok	0.30
322	ok	0.38
323	ok	0.42
324	ok	0.33
325	ok	0.31
326	ok	0.32
327	ok	0.42
328	ok	0.44
329	ok	0.36
330	ok	0.34
331	ok	0.36
332	ok	1.03
333	ok	0.53
334	ok	0.36
335	ok	0.35
336	ok	0.61
337	ok	1.99
338	ok	0.61
339	ok	0.35
340	ok	0.35
341	ok	0.39
342	ok	1.21
343	ok	0.66
344	ok	0.32
345	ok	0.33
346	ok	0.39
347	ok	0.53
348	ok	0.66
349	ok	0.25
350	ok	0.28
351	ok	0.39
352	ok	0.74
353	ok	0.68
354	ok	0.20
355	ok	0.21
356	ok	0.41
357	ok	1.13
358	ok	1.13
359	ok	0.25
360	ok	0.23
361	ok	0.49
362	ok	1.47

Nodo	Max tau 4.78	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
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Macro Setto	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
5	30.00	3	1	Singolo elemento NON DISSIPATIVO

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z daN/cm	N o daN/cm	N zo daN/cm	M z daN	M o daN	M zo daN
3	ok	0.10	0.3	3.89e-02	10.1	10.1	5.7	5.7	-177.6	79.1	63.8	-270.4	-193.3	327.5
5	ok	0.10	0.4	6.27e-02	10.1	10.1	5.7	5.7	-214.6	-82.4	107.2	1021.6	-106.6	1402.5
7	ok	0.10	0.5	5.31e-02	10.1	10.1	5.7	5.7	-189.5	-61.4	88.4	1508.0	490.1	132.4
9	ok	0.10	0.3	4.52e-02	10.1	10.1	5.7	5.7	-206.7	92.1	-70.7	-287.3	-187.0	-330.6
78	ok	0.10	0.5	2.98e-02	10.1	10.1	5.7	5.7	-114.4	-43.5	-60.4	1207.4	274.4	289.0
79	ok	0.10	0.2	1.80e-02	10.1	10.1	5.7	5.7	-57.0	-62.0	39.3	928.2	127.3	482.8
107	ok	0.10	0.6	2.88e-02	10.1	10.1	5.7	5.7	-69.7	-52.4	29.5	2755.6	618.9	-28.4
108	ok	0.10	0.4	1.53e-02	10.1	10.1	5.7	5.7	-16.0	-10.9	13.2	2941.5	624.4	-142.4
113	ok	0.10	0.5	2.57e-02	10.1	10.1	5.7	5.7	-31.2	-24.4	-40.3	3137.6	590.4	-808.1

126	ok	0.10	0.2	1.91e-02	10.1	10.1	5.7	5.7	32.2	65.7	21.8	978.3	236.2	-565.9
129	ok	0.10	0.6	3.32e-02	10.1	10.1	5.7	5.7	-34.3	-41.3	-59.9	4865.0	1175.9	-64.5
142	ok	0.10	0.1	5.60e-02	10.1	10.1	5.7	5.7	-182.2	-11.0	-123.7	-285.5	93.4	-96.2
143	ok	0.10	0.2	5.04e-02	10.1	10.1	5.7	5.7	-148.2	-6.1	96.5	-729.8	-120.0	135.7
144	ok	0.10	0.2	5.07e-02	10.1	10.1	5.7	5.7	-148.7	-7.9	-98.1	-716.0	-117.0	-148.6
145	ok	0.10	0.1	5.69e-02	10.1	10.1	5.7	5.7	-185.5	-11.4	125.2	-288.9	91.4	98.8
198	ok	0.10	0.2	4.30e-02	10.1	10.1	5.7	5.7	-105.5	9.00e-02	99.4	-760.0	-160.9	15.6
199	ok	0.10	0.2	4.24e-02	10.1	10.1	5.7	5.7	-121.1	-25.9	-124.6	-206.7	-394.5	-139.2
227	ok	0.10	0.2	3.94e-02	10.1	10.1	5.7	5.7	-96.7	21.3	122.0	-1674.5	-342.8	-117.9
228	ok	0.10	0.3	3.01e-02	10.1	10.1	5.7	5.7	-68.0	36.5	-103.8	-2158.0	-465.8	-73.4
233	ok	0.10	0.2	4.33e-02	10.1	10.1	5.7	5.7	-118.3	-24.8	110.7	-99.7	-377.6	135.8
246	ok	0.10	0.2	4.29e-02	10.1	10.1	5.7	5.7	-62.0	2.9	-105.4	-474.6	-144.5	-158.1
249	ok	0.10	0.2	3.91e-02	10.1	10.1	5.7	5.7	-95.7	22.6	-121.7	-1682.4	-344.6	102.8
253	ok	0.10	0.3	2.37e-02	10.1	10.1	5.7	5.7	-105.0	-71.9	6.9	-356.9	-966.4	-18.4
254	ok	0.10	0.2	1.30e-02	10.1	10.1	5.7	5.7	-54.3	12.9	8.9	-181.6	-1005.2	-12.2
255	ok	0.10	0.1	1.71e-02	10.1	10.1	5.7	5.7	-67.4	6.3	11.9	-103.8	-588.1	14.8
256	ok	0.10	8.17e-02	2.24e-02	10.1	10.1	5.7	5.7	-92.8	-1.1	12.5	-1.3	-108.6	35.6
257	ok	0.10	0.1	3.04e-02	10.1	10.1	5.7	5.7	-125.0	-4.1	20.8	67.0	226.5	52.3
313	ok	0.10	0.1	2.94e-02	10.1	10.1	5.7	5.7	-121.1	-4.0	-21.8	66.9	227.0	-59.0
314	ok	0.10	8.25e-02	2.12e-02	10.1	10.1	5.7	5.7	-87.4	-1.1	-13.9	-1.2	-107.1	-45.1
315	ok	0.10	0.1	1.54e-02	10.1	10.1	5.7	5.7	-59.1	5.9	-13.5	-104.1	-583.0	-26.4
316	ok	0.10	0.2	1.16e-02	10.1	10.1	5.7	5.7	-51.2	28.9	-6.7	-79.4	-740.9	48.1
317	ok	0.10	0.3	2.03e-02	10.1	10.1	5.7	5.7	-91.9	-59.7	-7.7	-338.6	-938.6	18.8
363	ok	0.10	7.97e-02	3.33e-02	10.1	10.1	5.7	5.7	-104.1	-24.8	72.0	-191.7	-146.7	157.9
364	ok	0.10	5.68e-02	2.59e-02	10.1	10.1	5.7	5.7	-97.7	-3.5	31.5	-37.8	-136.9	250.8
365	ok	0.10	5.70e-02	2.32e-02	10.1	10.1	5.7	5.7	-94.9	3.2	30.6	46.0	-164.0	238.6
366	ok	0.10	7.48e-02	2.02e-02	10.1	10.1	5.7	5.7	-81.0	1.8	15.9	174.5	-167.1	78.5
367	ok	0.10	0.1	1.71e-02	10.1	10.1	5.7	5.7	-21.6	-35.5	-3.3	153.3	120.2	-424.1
368	ok	0.10	9.85e-02	3.27e-02	10.1	10.1	5.7	5.7	-110.2	-1.9	9.6	-378.0	-85.2	122.6
369	ok	0.10	4.99e-02	2.71e-02	10.1	10.1	5.7	5.7	-107.8	1.7	20.6	-89.5	9.9	236.8
370	ok	0.10	7.68e-02	2.63e-02	10.1	10.1	5.7	5.7	-109.3	1.1	31.4	212.0	100.1	224.4
371	ok	0.10	9.15e-02	2.52e-02	10.1	10.1	5.7	5.7	-103.8	-2.9	30.5	591.5	227.6	42.1
372	ok	0.10	0.2	2.55e-02	10.1	10.1	5.7	5.7	-104.4	-24.9	4.1	1212.3	382.9	-354.3
373	ok	0.10	9.99e-02	3.59e-02	10.1	10.1	5.7	5.7	-134.7	12.9	65.3	-583.3	-15.4	143.8
374	ok	0.10	6.33e-02	2.85e-02	10.1	10.1	5.7	5.7	-113.8	5.2	19.8	-130.4	98.6	209.1
375	ok	0.10	8.22e-02	2.75e-02	10.1	10.1	5.7	5.7	-110.5	1.4	17.6	359.3	253.4	181.1
376	ok	0.10	0.1	2.76e-02	10.1	10.1	5.7	5.7	-111.5	-9.6	17.6	976.0	419.0	46.8
377	ok	0.10	0.2	2.88e-02	10.1	10.1	5.7	5.7	-117.8	-4.2	-5.5	2090.8	330.5	-638.1
378	ok	0.10	0.1	3.28e-02	10.1	10.1	5.7	5.7	-113.0	4.4	69.6	-783.4	-131.3	106.7
379	ok	0.10	6.01e-02	2.65e-02	10.1	10.1	5.7	5.7	-106.2	2.1	21.2	-156.9	89.8	133.8
380	ok	0.10	7.53e-02	2.63e-02	10.1	10.1	5.7	5.7	-115.3	-5.1	16.9	470.8	322.8	112.8
381	ok	0.10	0.1	2.62e-02	10.1	10.1	5.7	5.7	-116.5	-14.0	11.6	1206.9	543.7	46.8
382	ok	0.10	0.2	2.76e-02	10.1	10.1	5.7	5.7	-120.3	-38.7	16.8	2231.6	754.5	-38.1
383	ok	0.10	0.1	2.47e-02	10.1	10.1	5.7	5.7	-84.9	4.5	3.7	-909.3	-247.4	-6.0
384	ok	0.10	4.57e-02	2.37e-02	10.1	10.1	5.7	5.7	-98.4	-1.6	-2.6	-168.0	51.6	-12.4
385	ok	0.10	6.92e-02	2.49e-02	10.1	10.1	5.7	5.7	-111.4	-8.5	-2.0	508.0	343.5	-12.9
386	ok	0.10	0.1	2.43e-02	10.1	10.1	5.7	5.7	-108.4	-18.7	-0.3	1290.5	612.3	-13.7
387	ok	0.10	0.2	2.34e-02	10.1	10.1	5.7	5.7	-89.9	-29.9	-3.5	2412.4	822.8	-12.6
388	ok	0.10	0.1	3.26e-02	10.1	10.1	5.7	5.7	-100.8	7.5	-25.7	-802.4	-160.5	-109.1
389	ok	0.10	6.14e-02	2.67e-02	10.1	10.1	5.7	5.7	-107.9	3.8	-19.4	-158.2	83.0	-151.6
390	ok	0.10	7.49e-02	2.69e-02	10.1	10.1	5.7	5.7	-118.9	-3.0	-13.7	468.7	313.0	-131.0
391	ok	0.10	0.1	2.74e-02	10.1	10.1	5.7	5.7	-112.0	-13.5	2.3	1201.1	545.1	-78.3
392	ok	0.10	0.2	2.95e-02	10.1	10.1	5.7	5.7	-129.9	-41.4	-13.8	2216.2	755.2	11.9
393	ok	0.10	0.1	3.58e-02	10.1	10.1	5.7	5.7	-134.5	14.8	-65.7	-590.1	-21.3	-160.5
394	ok	0.10	6.63e-02	2.89e-02	10.1	10.1	5.7	5.7	-115.5	7.7	-20.2	-132.8	89.3	-223.2
395	ok	0.10	8.50e-02	2.85e-02	10.1	10.1	5.7	5.7	-115.1	4.8	-17.7	357.3	239.8	-194.5
396	ok	0.10	0.1	2.94e-02	10.1	10.1	5.7	5.7	-120.0	-6.7	-18.1	971.0	400.4	-63.1
397	ok	0.10	0.2	3.16e-02	10.1	10.1	5.7	5.7	-130.2	5.27e-02	10.2	2140.1	298.6	700.1
398	ok	0.10	9.91e-02	3.26e-02	10.1	10.1	5.7	5.7	-109.0	-0.4	-11.7	-385.3	-90.9	-133.9
399	ok	0.10	5.19e-02	2.74e-02	10.1	10.1	5.7	5.7	-106.2	2.8	-30.6	-92.9	-8.7	-251.8
400	ok	0.10	8.26e-02	2.70e-02	10.1	10.1	5.7	5.7	-111.0	4.0	-35.0	209.4	92.1	-234.5
401	ok	0.10	9.86e-02	2.67e-02	10.1	10.1	5.7	5.7	-108.8	0.5	-34.9	585.5	218.2	-52.0
402	ok	0.10	0.2	2.90e-02	10.1	10.1	5.7	5.7	-113.0	-25.6	-5.1	1203.4	387.6	352.5
403	ok	0.10	8.17e-02	3.31e-02	10.1	10.1	5.7	5.7	-101.3	-23.7	-73.4	-195.4	-149.6	-168.9
404	ok	0.10	5.87e-02	2.56e-02	10.1	10.1	5.7	5.7	-94.3	-2.7	-34.5	-39.9	-138.6	-263.7
405	ok	0.10	6.39e-02	2.29e-02	10.1	10.1	5.7	5.7	-90.6	4.2	-35.1	44.1	-163.0	-252.3
406	ok	0.10	8.68e-02	1.99e-02	10.1	10.1	5.7	5.7	-76.4	4.5	-22.7	174.8	-159.7	-89.6
407	ok	0.10	0.1	1.73e-02	10.1	10.1	5.7	5.7	-22.3	-31.4	-1.1	160.4	113.2	411.0

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N z	N o	N zo	M z	M o	M zo
	0.10	0.58	0.06	10.05	10.05	5.65	5.65	-214.64 32.21	-82.42 92.14	-124.63 125.23	-2157.98 4865.02	-1005.23 1175.93	-808.13 1402.46

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
3	ok	1.73						

5	ok	4.62						
7	ok	4.35						
9	ok	1.90						
78	ok Av	4.97	0.19	0.03	5.6	0.8	131.3	18.6
79	ok	1.68						
107	ok	4.81						
108	ok	0.96						
113	ok	4.71						
126	ok	1.67						
129	ok Av	5.07	0.19	0.04	5.6	1.1	132.2	26.5
142	ok	2.70						
143	ok	0.53						
144	ok	0.51						
145	ok	2.72						
198	ok	0.67						
199	ok	1.57						
227	ok	0.72						
228	ok	0.81						
233	ok	0.66						
246	ok	1.58						
249	ok	0.70						
253	ok	2.22						
254	ok	0.63						
255	ok	0.36						
256	ok	0.37						
257	ok	0.99						
313	ok	0.97						
314	ok	0.38						
315	ok	0.38						
316	ok	0.65						
317	ok	2.08						
363	ok	1.02						
364	ok	0.23						
365	ok	0.24						
366	ok	0.50						
367	ok	1.59						
368	ok	0.53						
369	ok	0.22						
370	ok	0.24						
371	ok	0.50						
372	ok	1.61						
373	ok	0.53						
374	ok	0.28						
375	ok	0.31						
376	ok	0.69						
377	ok	2.42						
378	ok	0.77						
379	ok	0.36						
380	ok	0.38						
381	ok	0.46						
382	ok	1.20						
383	ok	0.62						
384	ok	0.41						
385	ok	0.41						
386	ok	0.48						
387	ok	0.63						
388	ok	0.76						
389	ok	0.36						
390	ok	0.38						
391	ok	0.45						
392	ok	1.25						
393	ok	0.52						
394	ok	0.28						
395	ok	0.31						
396	ok	0.72						
397	ok	2.53						
398	ok	0.53						
399	ok	0.22						
400	ok	0.24						
401	ok	0.50						
402	ok	1.56						
403	ok	1.01						
404	ok	0.23						
405	ok	0.24						
406	ok	0.48						
407	ok	1.52						

Nodo	Max tau 5.07	Ver V pr 0.19	Ver V sec 0.04	Af V pr 5.64	Af V sec 1.13	V pr 132.19	V sec 26.50
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Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
1	30.00	3	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x daN/cm	N y daN/cm	N xy daN/cm	M x daN	M y daN	M xy daN
1	ok	0.11	0.9	1.17e-02	10.1	10.1	10.1	10.1	45.1	8.0	53.2	6962.2	1682.5	2019.9
3	ok	0.11	0.3	2.01e-02	10.1	10.1	10.1	10.1	-2.2	9.4	-39.8	342.9	287.3	-594.0
5	ok	0.11	0.9	1.61e-02	10.1	10.1	10.1	10.1	-2.7	53.4	-55.8	1762.6	7119.5	-2379.7
7	ok	0.11	0.9	1.50e-02	10.1	10.1	10.1	10.1	1.6	49.7	51.4	1727.3	6838.8	2277.7
9	ok	0.11	0.3	1.84e-02	10.1	10.1	10.1	10.1	8.0	22.8	56.6	311.8	260.5	671.4
11	ok	0.11	0.9	4.59e-03	10.1	12.1	10.1	10.1	3.3	6.6	-4.6	8515.7	5621.5	-2096.4
13	ok	0.11	0.9	1.19e-02	10.1	10.1	10.1	10.1	41.7	-8.6	-46.8	6965.1	1665.0	-1965.5
15	ok	0.11	0.9	4.90e-03	10.1	12.1	10.1	10.1	4.1	6.8	6.2	8362.7	5590.9	2168.1
22	ok	0.11	0.2	2.37e-03	10.1	10.1	10.1	10.1	0.9	-0.3	1.7	1554.7	-954.3	-94.1
25	ok	0.11	0.2	2.34e-03	10.1	10.1	10.1	10.1	1.8	-0.4	-1.6	1475.1	-970.1	75.6
31	ok	0.11	0.3	3.09e-03	10.1	10.1	10.1	10.1	-11.5	-7.3	3.3	-2072.0	-3083.9	479.7
32	ok	0.11	0.3	3.39e-03	10.1	10.1	10.1	10.1	-10.8	-4.7	5.5	-1672.7	-2630.3	532.3
33	ok	0.11	0.3	4.48e-03	10.1	10.1	10.1	10.1	-13.6	-7.7	5.2	-1874.8	-2858.8	924.9
34	ok	0.11	0.3	3.71e-03	10.1	10.1	10.1	10.1	-14.4	-10.3	2.0	-1361.0	-2794.9	521.7
35	ok	0.11	0.4	3.74e-03	10.1	10.1	10.1	10.1	-8.9	-0.9	-4.9	-2998.6	-2989.1	-680.8
36	ok	0.11	0.3	2.56e-03	10.1	10.1	10.1	10.1	-9.8	-4.3	-2.8	-1800.4	-2050.8	-638.1
37	ok	0.11	0.3	3.00e-03	10.1	10.1	10.1	10.1	-12.0	-7.8	-2.0	-2114.0	-3079.2	-423.8
38	ok	0.11	0.3	3.39e-03	10.1	10.1	10.1	10.1	-11.7	-5.8	-4.4	-1733.5	-2617.9	-514.8
39	ok	0.11	0.3	7.98e-03	10.1	10.1	10.1	10.1	9.9	4.7	18.7	2776.5	366.5	499.7
40	ok	0.11	0.2	5.82e-03	10.1	10.1	10.1	10.1	7.1	13.4	17.6	1786.8	371.8	592.1
41	ok	0.11	6.59e-02	4.37e-03	10.1	10.1	10.1	10.1	-0.9	11.2	7.8	581.0	-232.8	130.7
42	ok	0.11	0.3	4.34e-03	10.1	10.1	10.1	10.1	-12.8	3.8	-0.4	2966.7	548.7	-34.6
43	ok	0.11	0.1	3.77e-03	10.1	10.1	10.1	10.1	-11.2	-3.5	-5.2	-895.1	-1448.8	165.3
44	ok	0.11	0.2	3.74e-03	10.1	10.1	10.1	10.1	-12.3	-3.1	-5.5	-1007.3	-1881.1	-380.4
45	ok	0.11	0.3	2.70e-03	10.1	10.1	10.1	10.1	-11.9	-8.4	0.6	-2439.6	-2873.2	73.0
46	ok	0.11	0.3	3.65e-03	10.1	10.1	10.1	10.1	-15.3	-11.2	0.6	-2265.8	-3343.0	116.2
47	ok	0.11	0.1	8.79e-03	10.1	10.1	10.1	10.1	-11.4	-14.0	-11.0	-1016.7	-617.1	262.9
48	ok	0.11	0.2	6.01e-03	10.1	10.1	10.1	10.1	-13.3	10.5	-4.8	2269.0	410.8	-588.3
49	ok	0.11	0.2	4.29e-03	10.1	10.1	10.1	10.1	-11.4	3.0	-7.8	117.8	-515.1	-1322.2
50	ok	0.11	0.2	7.88e-03	10.1	10.1	10.1	10.1	-8.2	-1.9	-10.8	86.3	2.7	-1852.8
51	ok	0.11	0.2	1.23e-02	10.1	10.1	10.1	10.1	-5.0	14.4	-11.5	1323.6	247.2	-740.5
52	ok	0.11	0.3	3.88e-03	10.1	10.1	10.1	10.1	-15.2	-10.8	-1.3	-1378.0	-2787.2	-470.8
53	ok	0.11	0.2	2.87e-03	10.1	12.1	10.1	10.1	-5.7	1.5	-0.1	-2162.2	-1908.0	-391.1
54	ok	0.11	0.1	3.41e-03	10.1	12.1	10.1	10.1	-4.2	2.2	-3.5	-306.2	1065.1	542.6
55	ok	0.11	0.2	4.80e-03	10.1	12.1	10.1	10.1	-7.8	-4.6	2.4	-2139.7	-369.6	-791.5
56	ok	0.11	9.31e-02	4.07e-03	10.1	10.1	10.1	10.1	-12.8	1.5	-5.1	296.6	-639.5	-550.9
57	ok	0.11	0.3	4.92e-03	10.1	10.1	10.1	10.1	-7.7	-5.5	-2.0	-2176.6	-441.4	822.8
58	ok	0.11	0.2	3.83e-03	10.1	10.1	10.1	10.1	-10.7	-2.1	-6.4	-1040.4	-510.8	579.4
59	ok	0.11	0.3	4.59e-03	10.1	10.1	10.1	10.1	-15.3	-8.6	-4.6	-1899.2	-2832.1	-907.3
60	ok	0.11	0.2	3.71e-03	10.1	10.1	10.1	10.1	-11.7	-1.1	6.5	-968.4	-1896.3	357.3
61	ok	0.11	0.2	4.18e-03	10.1	10.1	10.1	10.1	-10.6	-2.5	7.1	-822.1	-1568.0	1156.1
62	ok	0.11	7.58e-02	1.89e-03	10.1	10.1	10.1	10.1	-8.0	0.2	1.61e-02	786.1	80.0	-4.3
63	ok	0.11	9.25e-02	2.76e-03	10.1	10.1	10.1	10.1	2.4	0.8	0.5	687.8	490.1	-324.8
64	ok	0.11	0.1	1.71e-03	10.1	10.1	10.1	10.1	4.4	0.7	-1.0	-942.0	266.0	447.3
65	ok	0.11	8.26e-02	1.85e-03	10.1	10.1	10.1	10.1	3.5	-1.2	-3.5	-581.7	28.4	343.0
66	ok	0.11	0.2	3.77e-03	10.1	10.1	10.1	10.1	-10.7	-0.7	6.9	-950.0	-460.2	-602.9
67	ok	0.11	0.2	5.81e-03	10.1	10.1	10.1	10.1	1.3	14.8	-18.7	1844.1	331.2	-587.9
68	ok	0.11	6.92e-02	4.30e-03	10.1	10.1	10.1	10.1	-1.1	12.3	-7.7	610.3	-225.0	-142.7
69	ok	0.11	0.1	3.74e-03	10.1	10.1	10.1	10.1	-11.0	-0.7	6.0	-821.6	-1420.9	-160.1
70	ok	0.11	0.2	1.73e-03	10.1	10.1	10.1	10.1	-6.3	-1.7	1.0	-2243.4	-450.6	623.8
71	ok	0.11	0.2	2.28e-03	10.1	10.1	10.1	10.1	-5.0	-1.8	0.3	-603.5	-2037.0	519.2
72	ok	0.11	0.2	2.01e-03	10.1	10.1	10.1	10.1	-6.7	-5.8	-5.0	-1778.6	-570.5	-702.9
73	ok	0.11	0.2	2.21e-03	10.1	10.1	10.1	10.1	-4.5	-2.3	-5.34e-03	-621.7	-2043.6	-510.0
74	ok	0.11	0.2	1.73e-03	10.1	10.1	10.1	10.1	-6.0	-2.0	-0.2	-2315.7	-450.3	-655.8
75	ok	0.11	0.2	2.21e-03	10.1	10.1	10.1	10.1	-7.3	-2.7	-1.0	-2135.4	-473.4	447.4
76	ok	0.11	0.3	2.84e-03	10.1	12.1	10.1	10.1	-5.9	0.9	0.6	-2266.1	-1896.2	366.2
77	ok	0.11	0.2	7.03e-03	10.1	10.1	10.1	10.1	-28.8	-14.5	-13.9	-514.3	-1080.5	-1302.8
78	ok	0.11	0.3	9.14e-03	10.1	10.1	10.1	10.1	-24.3	-8.1	14.8	265.3	2526.0	-566.6
79	ok	0.11	0.2	1.23e-02	10.1	10.1	10.1	10.1	-1.0	-8.2	3.1	380.1	1178.3	-819.8
80	ok	0.11	0.4	2.50e-03	10.1	10.1	10.1	10.1	-3.2	-0.2	-9.65e-03	-2934.2	740.2	-1055.2
81	ok	0.11	0.4	3.77e-03	10.1	10.1	10.1	10.1	-8.6	-0.1	5.0	-2908.0	-2949.4	665.3
82	ok	0.11	0.3	2.70e-03	10.1	12.1	10.1	10.1	-9.6	-3.9	4.0	-1697.7	-2013.3	700.5
83	ok	0.11	7.70e-02	2.49e-03	10.1	10.1	10.1	10.1	-5.5	-7.3	2.5	-545.1	-164.9	-386.7

84	ok	0.11	0.2	3.92e-03	10.1	10.1	10.1	10.1	-11.0	-0.3	8.7	2069.9	499.0	-174.1
85	ok	0.11	0.3	8.50e-03	10.1	10.1	10.1	10.1	6.6	6.9	6.9	2530.6	383.2	249.2
86	ok	0.11	0.2	4.08e-03	10.1	10.1	10.1	10.1	2.4	11.9	15.3	1564.6	303.3	190.5
87	ok	0.11	0.2	4.15e-03	10.1	10.1	10.1	10.1	-9.2	-12.9	5.9	-1370.7	-178.2	364.0
88	ok	0.11	0.1	3.56e-03	10.1	10.1	10.1	10.1	-6.2	-6.1	-13.6	-578.5	-1145.4	-633.9
89	ok	0.11	0.3	4.34e-03	10.1	10.1	10.1	10.1	-13.0	5.6	0.4	2972.8	553.7	20.9
90	ok	0.11	0.3	4.87e-03	10.1	10.1	10.1	10.1	-14.4	8.8	2.9	2846.0	520.0	302.1
91	ok	0.11	8.99e-02	4.00e-03	10.1	10.1	10.1	10.1	-12.9	4.4	5.7	335.3	-630.7	534.7
92	ok	0.11	0.2	4.23e-03	10.1	10.1	10.1	10.1	-12.7	-4.6	-5.4	-845.5	-1536.3	-1163.0
93	ok	0.11	0.1	8.76e-03	10.1	10.1	10.1	10.1	-11.6	-12.9	11.3	-1004.0	-597.7	-255.3
94	ok	0.11	0.3	7.91e-03	10.1	10.1	10.1	10.1	9.9	5.5	-18.7	2776.8	371.7	-501.1
95	ok	0.11	0.3	1.70e-03	10.1	10.1	10.1	10.1	-5.8	-1.5	0.7	-3252.1	-568.5	-22.4
96	ok	0.11	0.3	1.81e-03	10.1	10.1	10.1	10.1	-7.8	-2.7	0.8	-3088.3	-504.8	-18.4
97	ok	0.11	0.4	2.27e-03	10.1	10.1	10.1	10.1	-2.9	0.3	-0.4	-3871.1	-554.9	835.7
98	ok	0.11	0.5	2.71e-03	10.1	10.1	10.1	10.1	-5.2	-3.1	5.1	5257.4	3991.6	-116.5
99	ok	0.11	6.54e-02	1.81e-03	10.1	10.1	10.1	10.1	-7.3	4.24e-02	-0.3	553.2	105.0	118.6
100	ok	0.11	0.2	8.65e-04	10.1	10.1	10.1	10.1	3.4	2.0	-7.6	1836.5	101.8	-48.8
101	ok	0.11	0.2	4.68e-03	10.1	10.1	10.1	10.1	-20.8	-2.5	3.5	1988.4	463.4	11.4
102	ok	0.11	7.62e-02	1.97e-03	10.1	10.1	10.1	10.1	3.1	-1.0	3.4	-527.5	33.5	-326.5
103	ok	0.11	0.3	2.07e-03	10.1	10.1	10.1	10.1	-9.1	-4.6	0.6	-3580.0	-671.3	109.7
104	ok	0.11	0.4	2.44e-03	10.1	10.1	10.1	10.1	-2.2	-1.2	-1.9	-2733.6	1411.7	961.3
105	ok	0.11	7.33e-02	5.40e-03	10.1	10.1	10.1	10.1	-29.8	-11.9	1.3	-483.1	-666.6	-78.8
106	ok	0.11	0.2	6.53e-03	10.1	10.1	10.1	10.1	9.7	7.1	14.0	-185.3	1168.6	829.5
107	ok	0.11	0.4	1.07e-02	10.1	10.1	10.1	10.1	-30.9	-8.3	4.6	629.2	3938.1	465.4
108	ok	0.11	0.4	7.17e-03	10.1	10.1	10.1	10.1	-23.2	-19.7	-2.4	844.1	3922.5	50.4
109	ok	0.11	0.5	2.62e-03	10.1	10.1	10.1	10.1	-4.3	-3.6	-4.5	5080.4	4028.7	51.4
110	ok	0.11	0.4	2.24e-03	10.1	10.1	10.1	10.1	-2.5	0.6	0.8	-3898.5	-562.1	-827.1
111	ok	0.11	0.2	9.73e-03	10.1	10.1	10.1	10.1	1.4	-1.7	10.1	31.4	-879.1	1696.3
112	ok	0.11	0.2	6.89e-03	10.1	10.1	10.1	10.1	-26.2	-14.3	15.2	-505.2	-1130.5	1329.2
113	ok	0.11	0.3	8.55e-03	10.1	10.1	10.1	10.1	-22.6	6.3	-11.3	774.1	2750.2	326.2
114	ok	0.11	0.2	6.64e-03	10.1	10.1	10.1	10.1	9.1	7.5	-15.2	-185.4	1246.9	-829.4
115	ok	0.11	0.1	1.75e-03	10.1	10.1	10.1	10.1	-2.2	-2.4	2.1	-629.6	372.0	-310.8
116	ok	0.11	8.65e-02	1.90e-03	10.1	10.1	10.1	10.1	-2.4	-4.4	0.3	-319.8	-407.0	-421.9
117	ok	0.11	0.2	1.03e-02	10.1	10.1	10.1	10.1	-22.7	-12.5	-1.4	-793.3	-140.0	-1190.4
118	ok	0.11	0.4	2.25e-03	10.1	10.1	10.1	10.1	-2.5	-0.2	0.6	-4002.3	-921.0	-148.5
119	ok	0.11	0.2	6.12e-04	10.1	10.1	10.1	10.1	2.4	3.3	6.3	1532.3	126.3	209.7
120	ok	0.11	0.2	4.34e-03	10.1	10.1	10.1	10.1	-17.7	-1.6	-4.3	1889.2	394.0	10.6
121	ok	0.11	0.3	2.32e-03	10.1	10.1	10.1	10.1	-10.1	-6.2	0.9	-3082.6	-1617.2	118.3
122	ok	0.11	0.2	5.90e-03	10.1	10.1	10.1	10.1	-19.3	14.2	1.5	2264.7	454.8	593.5
123	ok	0.11	0.2	4.14e-03	10.1	10.1	10.1	10.1	-10.1	7.4	10.1	123.5	-540.7	1306.4
124	ok	0.11	0.2	7.13e-03	10.1	10.1	10.1	10.1	-2.7	1.8	17.9	73.2	-33.9	1876.0
125	ok	0.11	0.2	1.15e-02	10.1	10.1	10.1	10.1	-11.8	31.4	-7.7	1209.5	476.2	703.7
126	ok	0.11	0.2	1.29e-02	10.1	10.1	10.1	10.1	5.9	-2.4	0.6	346.7	1174.3	831.0
127	ok	0.11	8.26e-02	2.57e-03	10.1	10.1	10.1	10.1	-2.4	-5.8	-4.0	-481.4	-104.5	328.9
128	ok	0.11	9.10e-02	1.94e-03	10.1	10.1	10.1	10.1	-2.4	-4.6	-7.75e-02	-358.7	-411.8	449.7
129	ok	0.11	0.4	1.12e-02	10.1	10.1	10.1	10.1	-35.6	-6.7	-8.7	593.1	3991.6	-492.4
130	ok	0.11	0.2	3.30e-03	10.1	10.1	10.1	10.1	2.6	-4.24e-02	-5.31e-02	-2380.8	253.8	217.4
131	ok	0.11	0.4	2.65e-03	10.1	10.1	10.1	10.1	2.7	0.1	2.03e-02	-3871.9	292.6	-191.6
132	ok	0.11	0.3	4.91e-03	10.1	10.1	10.1	10.1	-14.2	6.7	-3.2	2824.0	516.6	-316.9
133	ok	0.11	9.18e-02	2.73e-03	10.1	10.1	10.1	10.1	2.2	1.2	-1.0	430.9	573.6	419.7
134	ok	0.11	0.3	8.60e-03	10.1	10.1	10.1	10.1	7.0	7.0	-6.7	2505.3	376.6	-239.9
135	ok	0.11	0.2	3.35e-03	10.1	10.1	10.1	10.1	1.5	-0.3	0.3	-2339.3	249.3	-233.7
136	ok	0.11	0.2	4.08e-03	10.1	10.1	10.1	10.1	-10.9	-2.2	-9.0	1968.5	472.0	204.8

Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+Af	sec-Af	sec+	N x	N y	N xy	M x	M y	M xy
	0.11	0.93	0.02	10.05	12.06	10.05	10.05	-35.61	-19.66	-55.81	-4002.31	-3343.02	-2379.66
								45.05	53.44	56.63	8515.68	7119.48	2277.69

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
1	ok	0.0						
3	ok	0.0						
5	ok	0.0						
7	ok	0.0						
9	ok	0.0						
11	ok	0.0						
13	ok	0.0						
15	ok	0.0						
22	ok	3.02						
25	ok	2.92						
31	ok	1.17						
32	ok	1.17						
33	ok	2.67						
34	ok	1.09						
35	ok Av	7.29	0.27	0.09	8.0	2.5	185.2	59.2
36	ok Av	5.29	0.12	0.17	3.4	5.0	78.3	116.8

37	ok	1.16						
38	ok	1.17						
39	ok	4.12						
40	ok	2.57						
41	ok	1.52						
42	ok	1.60						
43	ok	1.11						
44	ok	1.22						
45	ok	0.81						
46	ok	2.69						
47	ok	2.23						
48	ok	2.17						
49	ok	1.74						
50	ok	2.17						
51	ok	2.23						
52	ok	1.09						
53	ok Av	7.22	0.28	0.03	8.2	1.0	190.2	22.3
54	ok	2.90						
55	ok Av	6.43	0.02	0.25	0.6	7.3	13.8	169.7
56	ok	1.63						
57	ok Av	6.56	0.02	0.26	0.6	7.4	13.2	173.2
58	ok	4.05						
59	ok	2.66						
60	ok	1.22						
61	ok	1.38						
62	ok	1.01						
63	ok	2.13						
64	ok	3.29						
65	ok	0.80						
66	ok	3.98						
67	ok	2.54						
68	ok	1.51						
69	ok	1.10						
70	ok	3.55						
71	ok	3.70						
72	ok	4.09						
73	ok	3.55						
74	ok	3.52						
75	ok	3.96						
76	ok Av	7.18	0.28	0.03	8.1	0.9	189.2	21.6
77	ok	2.30						
78	ok	4.34						
79	ok	2.77						
80	ok Av	6.22	0.05	0.24	1.5	6.9	35.8	160.6
81	ok Av	7.35	0.28	0.09	8.1	2.5	187.9	57.6
82	ok Av	5.30	0.12	0.17	3.5	5.0	80.9	116.1
83	ok	1.15						
84	ok	1.09						
85	ok	3.74						
86	ok	1.93						
87	ok	1.96						
88	ok	2.82						
89	ok	1.59						
90	ok	1.83						
91	ok	1.62						
92	ok	1.40						
93	ok	2.22						
94	ok	4.19						
95	ok	0.80						
96	ok	0.67						
97	ok	4.35						
98	ok	0.0						
99	ok	0.92						
100	ok	0.59						
101	ok	1.02						
102	ok	0.84						
103	ok	1.06						
104	ok Av	6.31	0.05	0.24	1.5	7.0	36.0	162.8
105	ok	2.19						
106	ok	2.87						
107	ok	4.00						
108	ok	2.29						
109	ok	0.0						
110	ok	4.42						
111	ok	2.03						
112	ok	2.24						
113	ok	4.32						

114	ok	2.89
115	ok	3.28
116	ok	2.51
117	ok	2.21
118	ok	1.99
119	ok	0.62
120	ok	0.88
121	ok	1.00
122	ok	2.13
123	ok	1.70
124	ok	1.95
125	ok	2.29
126	ok	2.82
127	ok	1.16
128	ok	2.61
129	ok	3.91
130	ok	3.36
131	ok	0.45
132	ok	1.85
133	ok	2.08
134	ok	3.67
135	ok	3.36
136	ok	1.11

Nodo	Max tau 7.35	Ver V pr 0.28	Ver V sec 0.26	Af V pr 8.18	Af V sec 7.45	V pr 190.18	V sec 173.16
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Nodo	Stato	V 6.47	V 6.53	Beta	f. a fon	f. Uout	Aw tot cm2	Asw,min cm2	n. x serie	n.ser 0(R)	n.ser 90	Rif. cmb
1	ok	0.21	0.08	2.00	0.0	0.0	0.0	0.0	0	0	0	41
3	ok	0.20	0.08	2.04	0.0	0.0	0.0	0.0	0	0	0	22
5	ok	0.29	0.11	1.72	0.0	0.0	0.0	0.0	0	0	0	28
7	ok	0.26	0.10	1.81	0.0	0.0	0.0	0.0	0	0	0	22
9	ok	0.23	0.09	1.87	0.0	0.0	0.0	0.0	0	0	0	28
11	ok	0.42	0.16	1.16	0.0	0.0	0.0	0.0	0	0	0	2
13	ok	0.21	0.08	2.01	0.0	0.0	0.0	0.0	0	0	0	35
15	ok	0.40	0.16	1.17	0.0	0.0	0.0	0.0	0	0	0	2
98	ok	0.34	0.13	1.12	0.0	0.0	0.0	0.0	0	0	0	4
109	ok	0.34	0.13	1.10	0.0	0.0	0.0	0.0	0	0	0	4

Macro Guscio	Spessore	Id Materiale	Id Criterio	Progettazione
	cm			
2	40.00	3	1	Singolo elemento

Nodo	Stato	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x daN/cm	N y daN/cm	N xy daN/cm	M x daN	M y daN	M xy daN
21	ok	0.08	0.4	2.36e-03	12.7	12.7	12.7	12.7	-6.2	-5.5	7.3	-7124.1	-6779.5	-306.7
23	ok	0.08	0.4	5.53e-04	12.7	12.7	12.7	12.7	12.2	4.2	4.8	-7313.1	-6320.1	490.4
24	ok	0.08	0.4	2.40e-03	12.7	12.7	12.7	12.7	-6.0	-5.4	-7.0	-7038.2	-6797.0	418.8
26	ok	0.08	0.4	6.02e-04	12.7	12.7	12.7	12.7	12.0	4.0	-5.3	-6942.6	-5961.0	-355.0
141	ok	0.08	0.2	1.55e-03	12.7	12.7	12.7	12.7	5.4	12.9	5.7	2042.6	3577.6	706.5
142	ok	0.08	0.3	1.80e-03	12.7	12.7	12.7	12.7	82.6	0.5	-29.2	-3927.5	1344.5	995.3
143	ok	0.08	0.2	3.33e-03	12.7	12.7	12.7	12.7	13.3	2.1	-12.5	-2797.1	-1315.8	-1501.4
144	ok	0.08	0.2	3.34e-03	12.7	12.7	12.7	12.7	12.1	2.0	12.0	-2800.4	-1325.3	1516.5
145	ok	0.08	0.4	1.76e-03	12.7	12.7	12.7	12.7	83.1	1.1	29.4	-3933.4	1335.4	-999.6
146	ok	0.08	0.2	5.45e-03	12.7	12.7	12.7	12.7	-10.1	1.7	3.3	995.3	-2464.3	-2009.9
147	ok	0.08	0.2	1.47e-03	12.7	12.7	12.7	12.7	5.5	12.7	-6.0	2066.2	3606.9	-706.5
148	ok	0.08	0.2	8.18e-04	12.7	12.7	12.7	12.7	5.9	16.5	-2.8	2429.8	2870.7	-782.2
149	ok	0.08	0.3	2.85e-03	12.7	12.7	12.7	12.7	-13.1	2.1	-0.3	-5868.1	1780.8	-1007.8
150	ok	0.08	0.3	2.85e-03	12.7	12.7	12.7	12.7	-13.0	2.0	6.53e-02	-5870.7	1805.3	996.5
151	ok	0.08	0.1	0.0	12.7	12.7	12.7	12.7	16.1	12.0	-3.2	-1895.2	-833.3	94.5
152	ok	0.08	0.2	5.40e-05	12.7	12.7	12.7	12.7	5.5	-0.4	-6.49e-02	2780.0	2645.6	799.9
153	ok	0.08	0.3	5.12e-04	12.7	12.7	12.7	12.7	5.6	-1.4	1.7	3116.3	3154.9	798.6
154	ok	0.08	0.1	0.0	12.7	12.7	12.7	12.7	7.2	3.0	0.2	-365.4	1779.8	438.4
155	ok	0.08	0.2	4.97e-04	12.7	12.7	12.7	12.7	14.4	9.2	3.9	2302.6	1870.1	-1191.6
156	ok	0.08	0.3	0.0	12.7	12.7	12.7	12.7	15.7	12.2	4.6	-3321.7	-3046.1	1476.0
157	ok	0.08	0.1	0.0	12.7	12.7	12.7	12.7	16.4	12.3	2.4	-1785.4	-898.5	77.4
158	ok	0.08	0.2	1.05e-04	12.7	12.7	12.7	12.7	5.5	-0.5	-0.5	2742.5	2654.6	-763.4
159	ok	0.08	0.2	2.33e-03	12.7	12.7	12.7	12.7	4.8	6.3	4.5	2084.1	3691.3	753.2
160	ok	0.08	0.2	7.00e-04	12.7	12.7	12.7	12.7	6.5	12.5	12.5	-459.1	-2057.1	-703.5

161	ok	0.08	0.2	1.10e-03	12.7	12.7	12.7	12.7	6.2	11.0	11.0	-666.7	-1962.3	-846.8
162	ok	0.08	0.2	3.14e-03	12.7	12.7	12.7	12.7	3.4	1.2	3.2	2020.0	3600.4	804.6
163	ok	0.08	0.1	2.17e-04	12.7	12.7	12.7	12.7	12.3	11.1	6.4	-1080.4	-231.2	-970.6
164	ok	0.08	0.1	4.95e-04	12.7	12.7	12.7	12.7	3.9	-0.4	-5.0	-164.8	1313.4	-786.5
165	ok	0.08	0.2	0.0	12.7	12.7	12.7	12.7	19.2	15.1	-0.3	-3050.7	-1235.0	168.1
166	ok	0.08	0.2	0.0	12.7	12.7	12.7	12.7	20.2	15.9	-0.5	-2497.2	-815.1	121.7
167	ok	0.08	0.1	7.77e-04	12.7	12.7	12.7	12.7	7.7	14.2	14.6	-458.6	-1877.0	-581.0
168	ok	0.08	0.2	3.97e-03	12.7	12.7	12.7	12.7	-1.1	-3.7	1.4	1565.8	3433.1	877.4
169	ok	0.08	0.2	2.25e-03	12.7	12.7	12.7	12.7	6.7	14.1	1.6	-848.4	-1924.6	-777.3
170	ok	0.08	0.2	3.03e-03	12.7	12.7	12.7	12.7	19.8	19.7	-20.5	-351.3	-2113.5	-376.1
171	ok	0.08	0.2	4.09e-03	12.7	12.7	12.7	12.7	-7.1	10.2	8.8	781.5	3134.8	450.2
172	ok	0.08	0.1	0.0	12.7	12.7	12.7	12.7	20.6	13.9	1.6	-1428.5	-285.8	-442.3
173	ok	0.08	0.2	4.78e-04	12.7	12.7	12.7	12.7	10.2	2.2	-6.3	1093.2	3225.9	-454.2
174	ok	0.08	0.2	7.26e-04	12.7	12.7	12.7	12.7	13.8	8.3	-9.0	-2788.0	-1939.7	-742.6
175	ok	0.08	0.2	1.74e-03	12.7	12.7	12.7	12.7	14.4	6.0	-7.0	2854.6	416.7	849.8
176	ok	0.08	0.2	1.65e-03	12.7	12.7	12.7	12.7	5.8	11.1	8.1	-813.8	-1861.3	-824.3
177	ok	0.08	0.2	1.68e-03	12.7	12.7	12.7	12.7	5.4	0.4	2.6	3653.9	911.5	-270.5
178	ok	0.08	0.2	4.99e-04	12.7	12.7	12.7	12.7	12.9	12.0	8.2	-2158.9	-2664.8	-1646.9
179	ok	0.08	0.3	5.87e-04	12.7	12.7	12.7	12.7	5.6	-1.3	-2.3	3097.7	3158.6	-777.6
180	ok	0.08	0.1	4.04e-04	12.7	12.7	12.7	12.7	12.2	10.2	-3.2	-835.3	-153.9	801.6
181	ok	0.08	0.1	1.02e-03	12.7	12.7	12.7	12.7	16.8	10.8	3.0	-640.8	344.7	688.7
182	ok	0.08	0.2	1.50e-02	12.7	12.7	12.7	12.7	-38.3	2.9	-5.1	-2530.6	82.8	1549.1
183	ok	0.08	0.2	5.41e-03	12.7	12.7	12.7	12.7	-8.4	2.8	-2.8	1082.0	-2481.7	2051.2
184	ok	0.08	0.2	1.21e-03	12.7	12.7	12.7	12.7	1.5	-1.6	-4.4	-1099.5	-4091.0	537.1
185	ok	0.08	0.2	2.08e-03	12.7	12.7	12.7	12.7	35.2	-2.4	11.1	-160.3	-2834.6	541.5
186	ok	0.08	0.2	5.57e-04	12.7	12.7	12.7	12.7	12.8	12.2	-8.9	-2022.4	-2543.2	1609.6
187	ok	0.08	0.2	7.50e-04	12.7	12.7	12.7	12.7	6.4	12.6	-12.9	-423.1	-2051.3	706.6
188	ok	0.08	0.2	1.00e-03	12.7	12.7	12.7	12.7	6.2	11.1	-11.3	-632.0	-1973.3	840.8
189	ok	0.08	0.1	2.61e-04	12.7	12.7	12.7	12.7	11.8	11.2	-7.0	-1402.6	-218.4	742.0
190	ok	0.08	0.2	8.73e-04	12.7	12.7	12.7	12.7	-2.6	-2.5	-3.7	1175.2	1717.7	-667.4
191	ok	0.08	0.2	9.70e-04	12.7	12.7	12.7	12.7	10.6	2.6	-3.5	-3555.4	-1736.7	-657.9
192	ok	0.08	0.2	1.92e-04	12.7	12.7	12.7	12.7	12.3	3.9	-3.3	-2847.6	-2545.7	788.9
193	ok	0.08	0.2	9.34e-04	12.7	12.7	12.7	12.7	10.0	2.7	3.2	-3683.7	-1716.8	668.1
194	ok	0.08	0.2	8.42e-04	12.7	12.7	12.7	12.7	-2.0	-2.9	1.1	1424.4	1740.0	976.4
195	ok	0.08	0.2	1.59e-04	12.7	12.7	12.7	12.7	12.1	3.9	2.9	-3046.3	-2612.9	-831.6
196	ok	0.08	0.2	4.44e-04	12.7	12.7	12.7	12.7	16.5	5.1	4.7	740.7	2785.2	722.6
197	ok	0.08	0.2	2.27e-03	12.7	12.7	12.7	12.7	11.1	3.1	-11.0	-2293.4	-586.7	-23.9
198	ok	0.08	0.3	2.90e-03	12.7	12.7	12.7	12.7	22.8	1.1	-4.1	3681.8	1514.4	1325.1
199	ok	0.08	0.3	4.43e-03	12.7	12.7	12.7	12.7	37.9	1.9	0.3	3493.5	788.4	766.7
200	ok	0.08	0.1	1.51e-04	12.7	12.7	12.7	12.7	8.6	4.1	-1.3	2134.0	-497.0	-650.1
201	ok	0.08	0.2	5.62e-04	12.7	12.7	12.7	12.7	14.5	9.0	-4.2	2459.3	1825.8	1218.0
202	ok	0.08	0.3	0.0	12.7	12.7	12.7	12.7	15.7	12.3	-5.4	-3085.9	-2980.0	-1376.2
203	ok	0.08	0.1	1.14e-03	12.7	12.7	12.7	12.7	6.7	15.6	-14.0	-990.0	-1590.0	-148.6
204	ok	0.08	0.2	8.73e-04	12.7	12.7	12.7	12.7	8.9	27.4	-1.8	2648.0	2875.9	715.5
205	ok	0.08	0.2	8.07e-04	12.7	12.7	12.7	12.7	6.2	17.8	2.7	2515.6	2913.8	817.2
206	ok	0.08	0.1	8.95e-04	12.7	12.7	12.7	12.7	8.4	17.6	-12.9	-941.7	-1797.3	-125.9
207	ok	0.08	0.1	8.57e-04	12.7	12.7	12.7	12.7	7.7	15.0	14.2	-509.1	-1896.2	-184.2
208	ok	0.08	0.2	6.92e-04	12.7	12.7	12.7	12.7	13.5	8.3	8.4	-2932.9	-2032.4	861.0
209	ok	0.08	0.2	3.01e-03	12.7	12.7	12.7	12.7	3.5	1.3	-3.8	2037.0	3640.8	-814.5
210	ok	0.08	0.2	3.59e-03	12.7	12.7	12.7	12.7	1.5	-2.4	-2.4	1862.3	3546.2	-853.4
211	ok	0.08	0.2	1.56e-03	12.7	12.7	12.7	12.7	5.9	11.4	-8.5	-804.2	-1889.2	824.8
212	ok	0.08	0.1	1.10e-03	12.7	12.7	12.7	12.7	3.3	-1.4	-7.7	-220.0	1503.9	-407.7
213	ok	0.08	0.1	8.23e-04	12.7	12.7	12.7	12.7	7.7	14.3	-15.0	-422.6	-1861.4	604.9
214	ok	0.08	0.2	2.23e-03	12.7	12.7	12.7	12.7	4.9	6.1	-5.0	2098.3	3724.0	-755.6
215	ok	0.08	0.1	4.49e-04	12.7	12.7	12.7	12.7	6.4	-0.5	-0.5	-2539.8	-1614.9	-169.8
216	ok	0.08	0.1	0.0	12.7	12.7	12.7	12.7	12.1	1.8	-0.3	-1820.1	-1531.7	-83.3
217	ok	0.08	0.2	1.78e-03	12.7	12.7	12.7	12.7	-3.4	-0.2	-0.5	-922.9	-4164.4	-729.1
218	ok	0.08	0.2	4.36e-03	12.7	12.7	12.7	12.7	6.8	5.5	-2.7	1838.9	-2436.7	1473.1
219	ok	0.08	0.2	1.36e-02	12.7	12.7	12.7	12.7	-41.6	-35.8	21.2	277.1	2904.3	-927.2
220	ok	0.08	0.4	5.45e-03	12.7	12.7	12.7	12.7	-21.6	58.8	-19.2	2215.8	-5287.6	864.6
221	ok	0.08	0.3	9.33e-04	12.7	12.7	12.7	12.7	10.1	38.1	-3.8	2911.7	1899.2	-1012.8
222	ok	0.08	0.2	1.75e-03	12.7	12.7	12.7	12.7	2.5	5.0	-11.8	-812.1	-2349.5	-541.8
223	ok	0.08	0.2	0.0	12.7	12.7	12.7	12.7	15.7	7.2	-0.3	-3003.0	-1427.8	213.6
224	ok	0.08	0.1	1.00e-04	12.7	12.7	12.7	12.7	6.6	3.6	1.0	2030.9	445.5	395.8
225	ok	0.08	0.2	0.0	12.7	12.7	12.7	12.7	27.1	16.8	7.6	-2810.8	-370.1	461.1
226	ok	0.08	0.2	2.48e-04	12.7	12.7	12.7	12.7	12.6	5.6	6.5	1140.9	1106.5	1314.0
227	ok	0.08	0.3	1.71e-03	12.7	12.7	12.7	12.7	18.2	6.1	19.5	3391.4	1514.1	1287.3
228	ok	0.08	0.3	1.93e-04	12.7	12.7	12.7	12.7	37.6	10.7	12.7	3381.4	2084.5	998.7
229	ok	0.08	0.2	9.60e-04	12.7	12.7	12.7	12.7	8.0	24.9	2.0	2553.4	2831.9	-657.4
230	ok	0.08	0.2	1.80e-03	12.7	12.7	12.7	12.7	-3.5	-0.2	0.4	-987.5	-4191.3	734.6
231	ok	0.08	0.3	1.37e-03	12.7	12.7	12.7	12.7	6.1	-3.9	3.3	2877.0	3279.9	798.4
232	ok	0.08	0.1	2.21e-03	12.7	12.7	12.7	12.7	10.9	3.0	10.4	-2296.0	-593.4	43.8
233	ok	0.08	0.3	2.87e-03	12.7	12.7	12.7	12.7	22.0	1.0	3.2	3684.1	1510.5	-1318.2
234	ok	0.08	0.2	1.44e-04	12.7	12.7	12.7	12.7	23.0	9.6	-5.8	-1955.9	218.6	-924.5
235	ok	0.08	0.2	1.20e-03	12.7	12.7	12.7	12.7	2.2	-0.1	3.3	-1087.8	-4096.6	-452.5
236	ok	0.08	0.1	1.19e-03	12.7	12.7	12.7	12.7	3.2	0.8	-10.5	1008.5	1817.6	527.1
237	ok	0.08	0.3	1.43e-03	12.7	12.7	12.7	12.7	6.5	-3.9	-4.0	2857.5	3279.4	-772.7

238	ok	0.08	0.1	2.12e-03	12.7	12.7	12.7	12.7	9.4	0.6	-1.5	-403.3	-2159.1	311.5
239	ok	0.08	0.4	3.77e-03	12.7	12.7	12.7	12.7	-14.0	65.8	18.0	1665.7	-5190.3	-478.2
240	ok	0.08	0.3	7.50e-04	12.7	12.7	12.7	12.7	9.4	36.0	1.3	2739.5	1985.9	1064.0
241	ok	0.08	0.2	0.0	12.7	12.7	12.7	12.7	17.2	11.0	-0.3	-2612.2	-1983.4	128.8
242	ok	0.08	0.2	3.79e-03	12.7	12.7	12.7	12.7	-1.1	-2.4	-1.9	1573.0	3435.5	-872.4
243	ok	0.08	0.2	2.16e-03	12.7	12.7	12.7	12.7	8.9	16.7	-2.4	-1284.4	-1836.5	443.7
244	ok	0.08	0.2	2.95e-03	12.7	12.7	12.7	12.7	23.8	23.2	18.8	-1453.3	-2053.4	297.2
245	ok	0.08	0.2	4.11e-03	12.7	12.7	12.7	12.7	-7.1	11.7	-9.1	781.7	3149.0	-456.0
246	ok	0.08	0.3	4.35e-03	12.7	12.7	12.7	12.7	37.6	1.6	-1.3	3498.7	786.2	-758.6
247	ok	0.08	0.1	1.11e-03	12.7	12.7	12.7	12.7	8.3	14.9	11.6	-1846.1	-606.7	525.8
248	ok	0.08	0.1	1.17e-03	12.7	12.7	12.7	12.7	5.6	1.1	4.3	1970.2	1614.1	-391.2
249	ok	0.08	0.3	1.72e-03	12.7	12.7	12.7	12.7	46.4	8.1	11.4	-3262.4	942.6	453.7
250	ok	0.08	0.2	4.39e-03	12.7	12.7	12.7	12.7	7.3	5.6	2.8	1812.8	-2435.1	-1486.5
251	ok	0.08	0.1	3.37e-03	12.7	12.7	12.7	12.7	-15.2	0.7	-0.5	-2169.6	364.6	565.2
252	ok	0.08	0.2	3.73e-03	12.7	12.7	12.7	12.7	1.6	-3.1	1.8	1824.3	3553.1	822.9

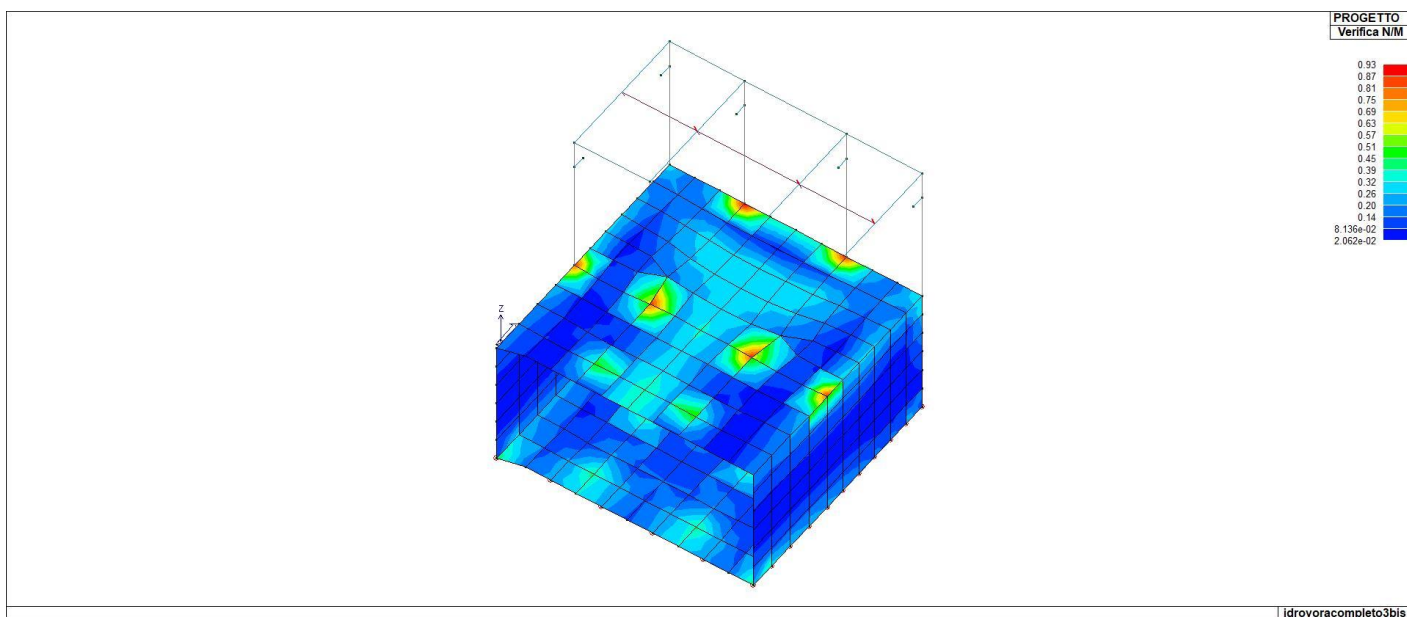
Nodo	x/d	V N/M	ver. rid	Af pr-	Af pr+	Af sec-	Af sec+	N x	N y	N xy	M x	M y	M xy
	0.08	0.44	0.02	12.72	12.72	12.72	12.72	-41.62	-35.78	-29.22	-7313.14	-6796.96	-2009.89
								83.10	65.83	29.41	3684.15	3723.97	2051.19

Nodo	Stato	Max tau daN/cm2	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr daN/cm	V sec daN/cm
21	ok	0.0						
23	ok	0.0						
24	ok	0.0						
26	ok	0.0						
141	ok Av	4.45	0.02	0.17	0.7	5.0	21.5	160.5
142	ok	4.07						
143	ok	2.62						
144	ok	2.62						
145	ok	4.09						
146	ok Av	8.88	0.28	0.21	8.0	6.1	257.4	195.7
147	ok Av	4.46	0.02	0.17	0.7	5.0	21.0	161.0
148	ok	3.97						
149	ok	0.0						
150	ok	0.0						
151	ok	3.11						
152	ok	3.88						
153	ok	3.70						
154	ok	3.07						
155	ok Av	4.43	0.15	0.08	4.4	2.4	142.0	76.8
156	ok	2.73						
157	ok	3.12						
158	ok	3.90						
159	ok Av	4.87	0.03	0.19	0.8	5.5	26.0	175.5
160	ok	2.82						
161	ok	2.92						
162	ok Av	4.88	0.04	0.19	1.2	5.5	37.5	175.7
163	ok	2.52						
164	ok	2.81						
165	ok	1.05						
166	ok	1.17						
167	ok	2.51						
168	ok Av	4.52	0.02	0.18	0.5	5.1	17.3	163.5
169	ok	2.91						
170	ok	3.33						
171	ok Av	4.55	0.03	0.18	0.7	5.2	23.5	165.5
172	ok	3.06						
173	ok Av	4.84	0.18	0.06	5.2	1.8	165.9	58.7
174	ok	1.70						
175	ok	0.0						
176	ok	2.88						
177	ok	0.0						
178	ok	1.57						
179	ok	3.70						
180	ok	2.81						
181	ok	2.77						
182	ok	3.44						
183	ok Av	8.96	0.28	0.21	8.1	6.2	258.4	198.7
184	ok	0.0						
185	ok	2.99						
186	ok	1.53						
187	ok	2.80						
188	ok	2.91						
189	ok	2.48						
190	ok Av	5.75	0.15	0.17	4.3	4.9	139.0	156.3

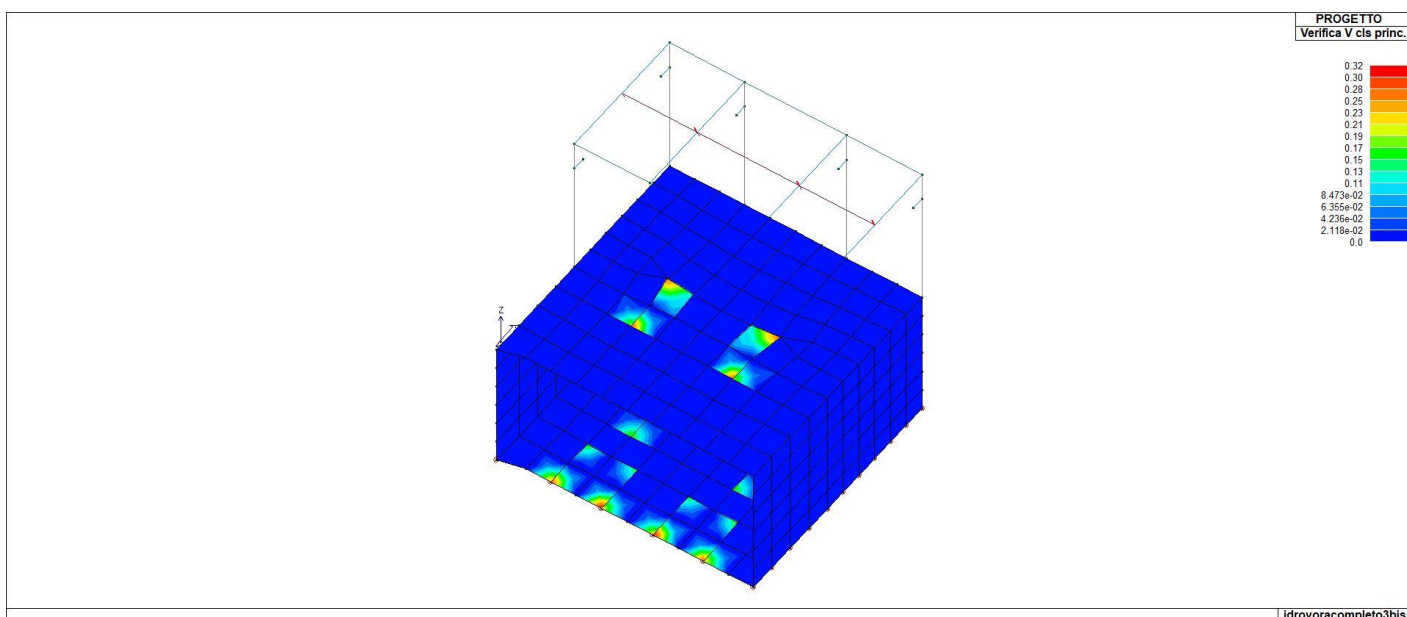
191	ok	0.0									
192	ok	2.00									
193	ok	0.0									
194	ok Av	5.82	0.15	0.17	4.4	4.9	141.9	157.5			
195	ok	2.01									
196	ok Av	4.96	0.18	0.07	5.3	2.0	170.3	64.5			
197	ok	3.28									
198	ok Av	4.83	0.19	0.03	5.5	0.8	174.8	25.2			
199	ok Av	4.99	0.20	9.18e-03	5.7	0.3	181.6	8.5			
200	ok	0.0									
201	ok	4.34									
202	ok	2.69									
203	ok	2.35									
204	ok	3.82									
205	ok	4.00									
206	ok	2.49									
207	ok	2.48									
208	ok	1.73									
209	ok Av	4.89	0.04	0.19	1.1	5.5	36.3	176.3			
210	ok Av	4.71	0.04	0.18	1.0	5.3	33.2	169.9			
211	ok	2.90									
212	ok	2.76									
213	ok	2.50									
214	ok Av	4.87	0.03	0.19	0.8	5.5	25.0	175.7			
215	ok	1.70									
216	ok	1.69									
217	ok	0.0									
218	ok Av	9.73	0.31	0.22	9.1	6.3	291.6	201.2			
219	ok	3.64									
220	ok Av	5.85	0.02	0.23	0.5	6.6	16.6	212.9			
221	ok Av	4.46	0.02	0.17	0.5	5.0	17.6	161.5			
222	ok	3.13									
223	ok	1.74									
224	ok	0.0									
225	ok	2.69									
226	ok	3.59									
227	ok	4.06									
228	ok	3.67									
229	ok	3.81									
230	ok	0.0									
231	ok	3.32									
232	ok	3.29									
233	ok Av	4.82	0.19	0.03	5.4	0.8	174.2	25.2			
234	ok	3.56									
235	ok	0.0									
236	ok Av	6.18	0.17	0.17	4.9	5.1	156.0	162.3			
237	ok	3.28									
238	ok	2.09									
239	ok Av	5.25	0.02	0.21	0.5	6.0	15.8	190.9			
240	ok	4.20									
241	ok	1.87									
242	ok Av	4.50	0.02	0.18	0.5	5.1	17.2	162.8			
243	ok	2.89									
244	ok	3.34									
245	ok Av	4.56	0.03	0.18	0.8	5.2	24.2	166.1			
246	ok Av	4.99	0.20	9.36e-03	5.7	0.3	181.7	8.7			
247	ok	2.33									
248	ok Av	6.22	0.17	0.18	4.9	5.1	157.0	163.2			
249	ok	4.02									
250	ok Av	9.85	0.32	0.22	9.2	6.3	295.4	203.1			
251	ok	1.99									
252	ok Av	4.68	0.03	0.18	1.0	5.3	32.5	168.7			

Nodo	Max tau	Ver V pr	Ver V sec	Af V pr	Af V sec	V pr	V sec
	9.85	0.32	0.23	9.22	6.64	295.42	212.86

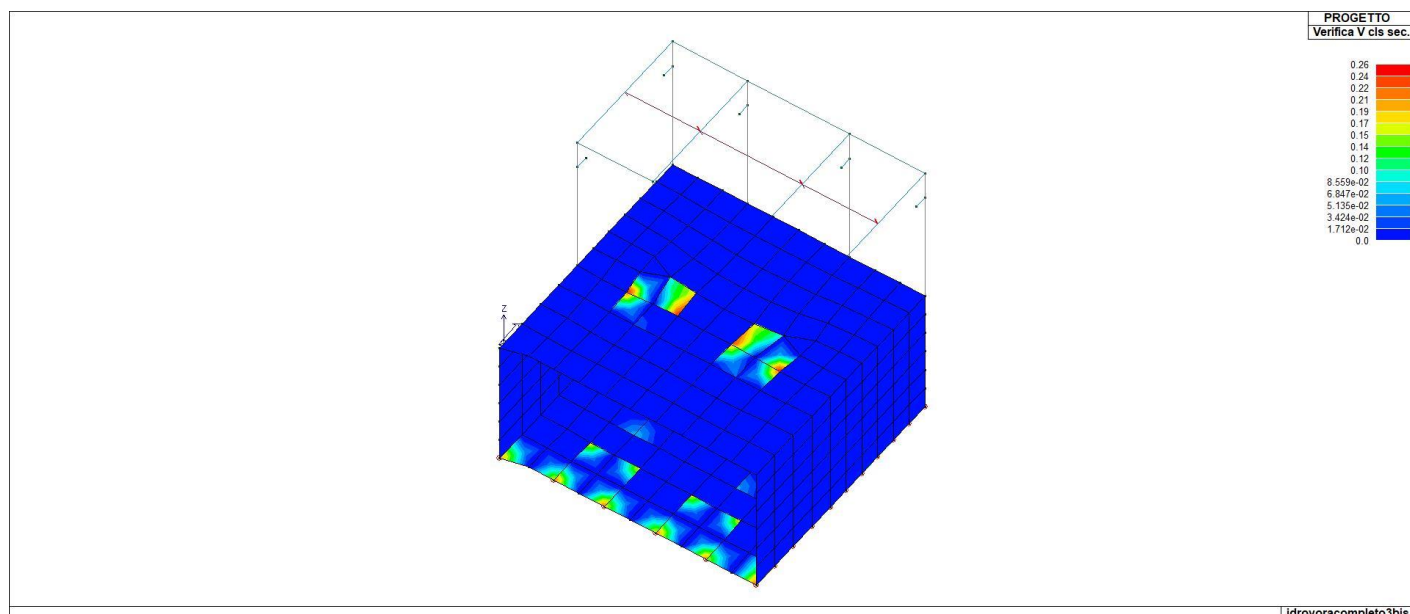
Nodo	Stato	V 6.47	V 6.53	Beta	f. a fon	f. Uout	Aw tot cm2	Asw,min cm2	n. x serie	n.ser 0(R)	n.ser 90	Rif. cmb
21	ok	0.22	0.10	1.06	0.0	0.0	0.0	0.0	0	0	0	4
23	ok	0.38	0.17	1.03	0.0	0.0	0.0	0.0	0	0	0	4
24	ok	0.22	0.10	1.05	0.0	0.0	0.0	0.0	0	0	0	4
26	ok	0.37	0.16	1.03	0.0	0.0	0.0	0.0	0	0	0	4



72_PRO_CA_D3_VER_NM



72_PRO_CA_D3_VER_VI



72_PRO_CA_D3_VER_VII

STATI LIMITE D' ESERCIZIO

LEGENDA TABELLA STATI LIMITE D' ESERCIZIO

In tabella vengono riportati i valori di interesse per il controllo degli stati limite d'esercizio.

In particolare vengono riportati, in relazione al tipo di elemento strutturale, i risultati relativi alle tre categorie di combinazione considerate:

- Combinazioni rare
- Combinazioni frequenti
- Combinazioni quasi permanenti.

I valori di interesse sono i seguenti:

rRfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni rare [normalizzato a 1]
rRfyk	rapporto tra la massima tensione nell'acciaio e la tensione fyk in combinazioni rare [normalizzato a 1]
rPfck	rapporto tra la massima compressione nel calcestruzzo e la tensione fck in combinazioni quasi permanenti [normalizzato a 1]
wR	apertura caratteristica delle fessure in combinazioni rare [mm]
wF	apertura caratteristica delle fessure in combinazioni frequenti [mm]
wP	apertura caratteristica delle fessure in combinazioni quasi permanenti [mm]
dR	massima deformazione in combinazioni rare
dF	massima deformazione in combinazioni frequenti
dP	massima deformazione in combinazioni quasi permanenti

Per ognuno dei nove valori soprariportati viene indicata (Rif.cmb) la combinazione in cui si è verificato.

In relazione al tipo di elemento strutturale i valori sono selezionati nel modo seguente:

pilastrì	rRfck	rRfyk	rPfck	per sezioni significative
travi	rRfck	rRfyk	rPfck	per sezioni significative
	wR	wF	wP	per sezioni significative
	dR	dF	dP	massimi in campata
setti e gusci	rRfck	rRfyk	rPfck	massimi nei nodi dell'elemento
	wR	wF	wP	massimi nei nodi dell'elemento

Si precisa che i valori di massima deformazione per travi sono riferiti al piano verticale (piano locale 1-2 con momenti flettenti 3-3).

Pilas.	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb
3	0.0	0.18	0.11	0.20	84,84,80	200.0	0.05	0.04	0.05	84,84,80
	400.0	0.22	0.19	0.25	84,84,80					
4	0.0	0.15	0.10	0.18	84,84,80	200.0	0.04	0.03	0.04	84,84,80
	400.0	0.17	0.14	0.20	84,84,80					
6	0.0	0.19	0.12	0.22	84,84,80	200.0	0.05	0.04	0.05	84,84,80
	400.0	0.18	0.14	0.20	84,84,80					
8	0.0	0.21	0.14	0.25	84,84,80	200.0	0.06	0.05	0.07	84,84,80
	400.0	0.22	0.18	0.25	84,84,80					
11	0.0	0.04	0.03	0.05	83,83,79	200.0	0.02	0.02	0.03	84,84,80
	400.0	0.07	0.05	0.08	83,83,79					
14	0.0	0.13	0.09	0.16	84,84,80	200.0	0.03	0.02	0.04	84,84,80
	400.0	0.11	0.08	0.12	84,84,80					
15	0.0	0.10	0.08	0.12	84,84,80	50.0	0.13	0.12	0.16	84,84,80
	100.0	0.17	0.17	0.20	84,84,80					
17	0.0	0.07	0.05	0.08	83,83,79	50.0	0.08	0.07	0.09	83,83,79
	100.0	0.09	0.10	0.11	83,83,79					
18	0.0	0.11	0.08	0.13	84,84,80	225.0	0.06	0.05	0.08	84,84,80
	450.0	0.12	0.09	0.15	84,84,80					
19	0.0	0.14	0.11	0.17	84,84,80	225.0	0.10	0.08	0.13	84,84,80
	450.0	0.14	0.11	0.17	84,84,80					
20	0.0	0.10	0.08	0.13	84,84,80	225.0	0.06	0.05	0.08	84,84,80
	450.0	0.12	0.09	0.14	84,84,80					
21	0.0	0.14	0.11	0.17	84,84,80	225.0	0.10	0.08	0.12	84,84,80
	450.0	0.14	0.11	0.17	84,84,80					
23	0.0	0.16	0.13	0.18	83,83,79	50.0	0.21	0.19	0.23	83,83,79
	100.0	0.25	0.25	0.28	83,83,79					
24	0.0	0.17	0.14	0.19	84,84,80	50.0	0.22	0.20	0.25	84,84,80
	100.0	0.27	0.27	0.30	84,84,80					
25	0.0	0.17	0.14	0.19	83,83,79	50.0	0.21	0.20	0.23	83,83,79
	100.0	0.24	0.26	0.28	83,83,79					
26	0.0	0.17	0.14	0.19	84,84,80	50.0	0.21	0.20	0.24	84,84,80
	100.0	0.25	0.27	0.28	84,84,80					
33	0.0	0.05	0.04	0.06	84,84,80	200.0	0.04	0.03	0.04	84,84,80
	400.0	0.11	0.08	0.12	84,84,80					
34	0.0	0.14	0.10	0.17	84,84,80	200.0	0.03	0.02	0.03	84,84,80
	400.0	0.11	0.09	0.13	84,84,80					
35	0.0	0.11	0.09	0.13	84,84,80	50.0	0.14	0.14	0.17	84,84,80
	100.0	0.17	0.18	0.20	84,84,80					
36	0.0	0.07	0.05	0.08	83,83,79	50.0	0.08	0.07	0.09	83,83,79
	100.0	0.09	0.10	0.11	83,83,79					

Pilas.	rRfck	rRfyk	rPfck	rRfck	rRfyk	rPfck
	0.27	0.27	0.30			

Trave	Pos. cm	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb	dR cm	dF cm	dP cm	Rif. cmb
1	0.0	0.12	0.29	0.13	83,83,79	0.0	0.0	0.0	0,0,0	-0.62	0.0	-0.55	83,0,79
	225.0	0.28	0.70	0.31	83,83,79	0.19	0.0	0.18	83,0,79				
	450.0	0.13	0.32	0.15	84,84,80	0.0	0.0	0.0	0,0,0				
2	0.0	0.09	0.17	0.10	84,84,80	0.0	0.0	0.0	0,0,0	0.16	0.0	0.14	84,0,80
	125.0	0.01	0.02	0.01	84,83,80	0.0	0.0	0.0	0,0,0				
	250.0	0.11	0.16	0.13	84,84,80	0.0	0.0	0.0	0,0,0				
5	0.0	0.02	0.04	0.02	82,82,78	0.0	0.0	0.0	0,0,0	0.02	0.0	0.02	83,0,79
	125.0	9.94e-03	0.02	0.01	83,83,79	0.0	0.0	0.0	0,0,0				
	250.0	0.02	0.04	0.03	83,83,79	0.0	0.0	0.0	0,0,0				
7	0.0	0.05	0.13	0.06	84,84,80	0.0	0.0	0.0	0,0,0	-0.15	0.0	-0.13	84,0,80
	225.0	0.12	0.29	0.13	84,84,80	0.0	0.0	0.0	0,0,0				
	450.0	0.03	0.07	0.04	83,83,79	0.0	0.0	0.0	0,0,0				
9	0.0	0.12	0.17	0.14	84,84,80	0.0	0.0	0.0	0,0,0	-0.17	0.0	-0.15	84,0,80
	125.0	0.01	0.02	0.02	84,83,80	0.0	0.0	0.0	0,0,0				
	250.0	0.10	0.19	0.12	84,84,80	0.0	0.0	0.0	0,0,0				
10	0.0	0.03	0.05	0.04	81,81,77	0.0	0.0	0.0	0,0,0	-0.02	0.0	-0.02	83,0,79
	170.0	0.03	0.04	0.03	84,84,80	0.0	0.0	0.0	0,0,0				
	340.0	0.03	0.06	0.04	82,82,78	0.0	0.0	0.0	0,0,0				
12	0.0	0.02	0.04	0.03	84,84,80	0.0	0.0	0.0	0,0,0	-0.03	0.0	-0.02	84,0,80
	125.0	0.01	0.02	0.01	84,84,80	0.0	0.0	0.0	0,0,0				
	250.0	0.02	0.03	0.02	81,81,77	0.0	0.0	0.0	0,0,0				
13	0.0	0.03	0.06	0.04	81,81,77	0.0	0.0	0.0	0,0,0	-0.02	0.0	-0.02	83,0,79
	170.0	0.02	0.04	0.03	84,84,80	0.0	0.0	0.0	0,0,0				
	340.0	0.04	0.07	0.05	82,82,78	0.0	0.0	0.0	0,0,0				
16	0.0	0.12	0.29	0.13	83,83,79	0.0	0.0	0.0	0,0,0	-0.62	0.0	-0.55	83,0,79

	225.0	0.28	0.72	0.32	84,84,80	0.20	0.0	0.19	84,0,80				
	450.0	0.13	0.32	0.15	83,83,79	0.0	0.0	0.0	0,0,0				
22	0.0	0.05	0.11	0.05	84,84,80	0.0	0.0	0.0	0,0,0	-0.14	0.0	-0.12	83,0,79
	225.0	0.11	0.28	0.13	84,84,80	0.0	0.0	0.0	0,0,0				
	450.0	0.03	0.07	0.04	83,83,79	0.0	0.0	0.0	0,0,0				
27	0.0	0.05	0.12	0.05	82,84,78	0.0	0.0	0.0	0,0,0	-0.03	0.0	-0.03	84,0,80
	40.0	0.0	0.0	0.0	0,0,0	0.0	0.0	0.0	0,0,0				
28	0.0	1.74e-03	4.48e-03	2.32e-03	81,84,77	0.0	0.0	0.0	0,0,0	-0.02	0.0	-0.02	83,0,79
	40.0	0.0	0.0	0.0	0,0,0	0.0	0.0	0.0	0,0,0				
29	0.0	0.0	0.0	0.0	0,0,0	0.0	0.0	0.0	0,0,0	0.03	0.0	0.03	84,0,80
	40.0	1.74e-03	4.48e-03	2.32e-03	84,83,80	0.0	0.0	0.0	0,0,0				
30	0.0	0.0	0.0	0.0	0,0,0	0.0	0.0	0.0	0,0,0	0.04	0.0	0.04	84,0,80
	40.0	0.05	0.12	0.05	82,84,78	0.0	0.0	0.0	0,0,0				
31	0.0	1.74e-03	4.48e-03	2.32e-03	84,82,80	0.0	0.0	0.0	0,0,0	-0.01	0.0	-9.24e-03	83,0,79
	40.0	0.0	0.0	0.0	0,0,0	0.0	0.0	0.0	0,0,0				
32	0.0	0.0	0.0	0.0	0,0,0	0.0	0.0	0.0	0,0,0	0.02	0.0	0.01	84,0,80
	40.0	1.74e-03	4.48e-03	2.32e-03	82,83,78	0.0	0.0	0.0	0,0,0				
37	0.0	1.74e-03	4.48e-03	2.32e-03	83,82,79	0.0	0.0	0.0	0,0,0	-0.01	0.0	-9.31e-03	83,0,79
	40.0	0.0	0.0	0.0	0,0,0	0.0	0.0	0.0	0,0,0				
38	0.0	0.0	0.0	0.0	0,0,0	0.0	0.0	0.0	0,0,0	0.03	0.0	0.03	84,0,80
	40.0	0.05	0.12	0.05	82,84,78	0.0	0.0	0.0	0,0,0				
Trave		rRfck	rRfyk	rPfck		wR	wF	wP		dR	dF	dP	
		0.28	0.72	0.32		0.20	0.0	0.19		-0.62	0.0	-0.55	
										0.16	0.0	0.14	

Setto	rRfck	rRfyk	rPfck	Rif. cmb	wR	wF	wP	Rif. cmb
					mm	mm	mm	
193	0.04	0.10	0.05	84,84,80	0.0	0.0	0.0	0,0,0
194	0.03	0.07	0.03	83,83,79	0.0	0.0	0.0	0,0,0
195	0.04	0.12	0.05	83,83,79	0.0	0.0	0.0	0,0,0
196	0.05	0.18	0.07	84,84,80	0.0	0.0	0.0	0,0,0
197	0.06	0.20	0.08	84,84,80	0.0	0.0	0.0	0,0,0
198	0.06	0.15	0.08	84,82,80	0.0	0.0	0.0	0,0,0
199	0.04	0.09	0.05	84,82,80	0.0	0.0	0.0	0,0,0
200	0.02	0.04	0.03	84,83,80	0.0	0.0	0.0	0,0,0
201	0.02	0.05	0.02	84,83,80	0.0	0.0	0.0	0,0,0
202	0.02	0.06	0.02	84,83,80	0.0	0.0	0.0	0,0,0
203	0.05	0.07	0.06	84,84,80	0.0	0.0	0.0	0,0,0
204	0.10	0.17	0.12	84,84,80	0.0	0.0	0.0	0,0,0
205	0.05	0.12	0.06	84,82,80	0.0	0.0	0.0	0,0,0
206	0.03	0.03	0.03	84,81,80	0.0	0.0	0.0	0,0,0
207	0.02	0.04	0.02	84,83,80	0.0	0.0	0.0	0,0,0
208	0.03	0.06	0.03	84,84,80	0.0	0.0	0.0	0,0,0
209	0.06	0.08	0.08	84,84,80	0.0	0.0	0.0	0,0,0
210	0.12	0.19	0.15	84,84,80	0.0	0.0	0.0	0,0,0
211	0.06	0.15	0.07	84,82,80	0.0	0.0	0.0	0,0,0
212	0.04	0.03	0.04	84,83,80	0.0	0.0	0.0	0,0,0
213	0.02	0.04	0.02	84,83,80	0.0	0.0	0.0	0,0,0
214	0.03	0.06	0.04	84,84,80	0.0	0.0	0.0	0,0,0
215	0.07	0.09	0.09	84,84,80	0.0	0.0	0.0	0,0,0
216	0.12	0.20	0.15	84,84,80	0.0	0.0	0.0	0,0,0
217	0.07	0.18	0.08	84,84,80	0.0	0.0	0.0	0,0,0
218	0.04	0.03	0.05	84,84,80	0.0	0.0	0.0	0,0,0
219	0.02	0.04	0.02	84,83,80	0.0	0.0	0.0	0,0,0
220	0.04	0.05	0.04	84,84,80	0.0	0.0	0.0	0,0,0
221	0.07	0.09	0.09	84,84,80	0.0	0.0	0.0	0,0,0
222	0.12	0.21	0.15	84,84,80	0.0	0.0	0.0	0,0,0
223	0.08	0.20	0.09	84,84,80	0.0	0.0	0.0	0,0,0
224	0.05	0.04	0.05	84,84,80	0.0	0.0	0.0	0,0,0
225	0.02	0.02	0.02	84,83,80	0.0	0.0	0.0	0,0,0
226	0.03	0.04	0.04	84,84,80	0.0	0.0	0.0	0,0,0
227	0.07	0.07	0.08	84,84,80	0.0	0.0	0.0	0,0,0
228	0.13	0.25	0.15	84,84,80	0.0	0.0	0.0	0,0,0
229	0.08	0.22	0.10	84,84,80	0.0	0.0	0.0	0,0,0
230	0.05	0.05	0.06	84,84,80	0.0	0.0	0.0	0,0,0
231	0.02	0.01	0.02	84,84,80	0.0	0.0	0.0	0,0,0
232	0.03	0.02	0.04	84,84,80	0.0	0.0	0.0	0,0,0
233	0.06	0.06	0.08	84,84,80	0.0	0.0	0.0	0,0,0
234	0.11	0.22	0.13	84,84,80	0.0	0.0	0.0	0,0,0
235	0.08	0.23	0.10	84,84,80	0.0	0.0	0.0	0,0,0
236	0.05	0.05	0.06	84,84,80	0.0	0.0	0.0	0,0,0
237	0.02	0.01	0.02	84,84,80	0.0	0.0	0.0	0,0,0
238	0.03	0.02	0.04	84,84,80	0.0	0.0	0.0	0,0,0
239	0.06	0.07	0.07	84,84,80	0.0	0.0	0.0	0,0,0
240	0.09	0.16	0.10	84,84,80	0.0	0.0	0.0	0,0,0

241	0.09	0.23	0.10	84,84,80	0.0	0.0	0.0	0,0,0
242	0.05	0.05	0.06	84,84,80	0.0	0.0	0.0	0,0,0
243	0.02	0.02	0.03	84,84,80	0.0	0.0	0.0	0,0,0
244	0.03	0.03	0.04	84,84,80	0.0	0.0	0.0	0,0,0
245	0.06	0.07	0.07	84,84,80	0.0	0.0	0.0	0,0,0
246	0.08	0.13	0.10	84,84,80	0.0	0.0	0.0	0,0,0
247	0.08	0.32	0.09	84,84,80	0.0	0.0	0.0	0,0,0
248	0.05	0.06	0.06	84,84,80	0.0	0.0	0.0	0,0,0
249	0.03	0.02	0.03	84,84,80	0.0	0.0	0.0	0,0,0
250	0.03	0.02	0.04	84,84,80	0.0	0.0	0.0	0,0,0
251	0.05	0.07	0.06	84,84,80	0.0	0.0	0.0	0,0,0
252	0.07	0.11	0.09	84,84,80	0.0	0.0	0.0	0,0,0
253	0.06	0.23	0.07	84,84,80	0.0	0.0	0.0	0,0,0
254	0.04	0.05	0.05	84,84,80	0.0	0.0	0.0	0,0,0
255	0.02	0.01	0.03	84,84,80	0.0	0.0	0.0	0,0,0
256	0.03	0.02	0.03	84,84,80	0.0	0.0	0.0	0,0,0
257	0.04	0.06	0.05	84,84,80	0.0	0.0	0.0	0,0,0
258	0.06	0.09	0.08	84,84,80	0.0	0.0	0.0	0,0,0
259	0.08	0.15	0.09	84,84,80	0.0	0.0	0.0	0,0,0
260	0.04	0.04	0.05	84,84,80	0.0	0.0	0.0	0,0,0
261	0.02	0.01	0.02	84,84,80	0.0	0.0	0.0	0,0,0
262	0.03	0.02	0.03	84,84,80	0.0	0.0	0.0	0,0,0
263	0.05	0.06	0.06	84,84,80	0.0	0.0	0.0	0,0,0
264	0.07	0.11	0.09	84,84,80	0.0	0.0	0.0	0,0,0
265	0.08	0.16	0.09	84,84,80	0.0	0.0	0.0	0,0,0
266	0.05	0.04	0.05	84,84,80	0.0	0.0	0.0	0,0,0
267	0.02	0.01	0.02	84,84,80	0.0	0.0	0.0	0,0,0
268	0.03	0.02	0.04	84,84,80	0.0	0.0	0.0	0,0,0
269	0.06	0.06	0.07	84,84,80	0.0	0.0	0.0	0,0,0
270	0.08	0.13	0.10	84,84,80	0.0	0.0	0.0	0,0,0
271	0.08	0.15	0.09	84,84,80	0.0	0.0	0.0	0,0,0
272	0.05	0.04	0.05	84,84,80	0.0	0.0	0.0	0,0,0
273	0.02	0.01	0.02	84,84,80	0.0	0.0	0.0	0,0,0
274	0.03	0.02	0.04	84,84,80	0.0	0.0	0.0	0,0,0
275	0.06	0.05	0.07	84,84,80	0.0	0.0	0.0	0,0,0
276	0.11	0.19	0.13	84,84,80	0.0	0.0	0.0	0,0,0
277	0.08	0.14	0.09	84,84,80	0.0	0.0	0.0	0,0,0
278	0.04	0.03	0.05	84,84,80	0.0	0.0	0.0	0,0,0
279	0.02	0.01	0.02	84,83,80	0.0	0.0	0.0	0,0,0
280	0.03	0.02	0.04	84,84,80	0.0	0.0	0.0	0,0,0
281	0.07	0.06	0.08	84,84,80	0.0	0.0	0.0	0,0,0
282	0.12	0.22	0.15	84,84,80	0.0	0.0	0.0	0,0,0
283	0.07	0.12	0.08	84,84,80	0.0	0.0	0.0	0,0,0
284	0.04	0.02	0.05	84,84,80	0.0	0.0	0.0	0,0,0
285	0.02	0.02	0.02	84,83,80	0.0	0.0	0.0	0,0,0
286	0.03	0.03	0.04	84,84,80	0.0	0.0	0.0	0,0,0
287	0.07	0.07	0.08	84,84,80	0.0	0.0	0.0	0,0,0
288	0.11	0.19	0.14	84,84,80	0.0	0.0	0.0	0,0,0
289	0.06	0.10	0.07	84,82,80	0.0	0.0	0.0	0,0,0
290	0.03	0.02	0.04	84,84,80	0.0	0.0	0.0	0,0,0
291	0.02	0.02	0.02	84,83,80	0.0	0.0	0.0	0,0,0
292	0.03	0.03	0.04	84,84,80	0.0	0.0	0.0	0,0,0
293	0.07	0.07	0.08	84,84,80	0.0	0.0	0.0	0,0,0
294	0.11	0.17	0.14	84,84,80	0.0	0.0	0.0	0,0,0
295	0.05	0.08	0.05	84,82,80	0.0	0.0	0.0	0,0,0
296	0.03	0.02	0.03	84,84,80	0.0	0.0	0.0	0,0,0
297	0.02	0.02	0.02	84,83,80	0.0	0.0	0.0	0,0,0
298	0.03	0.04	0.03	84,84,80	0.0	0.0	0.0	0,0,0
299	0.06	0.06	0.07	84,84,80	0.0	0.0	0.0	0,0,0
300	0.11	0.16	0.14	84,84,80	0.0	0.0	0.0	0,0,0
301	0.04	0.06	0.05	84,82,80	0.0	0.0	0.0	0,0,0
302	0.02	0.02	0.03	84,83,80	0.0	0.0	0.0	0,0,0
303	0.02	0.03	0.02	84,83,80	0.0	0.0	0.0	0,0,0
304	0.02	0.03	0.02	84,83,80	0.0	0.0	0.0	0,0,0
305	0.04	0.04	0.05	84,84,80	0.0	0.0	0.0	0,0,0
306	0.09	0.14	0.12	84,84,80	0.0	0.0	0.0	0,0,0
307	0.04	0.06	0.05	84,84,80	0.0	0.0	0.0	0,0,0
308	0.02	0.04	0.02	84,83,79	0.0	0.0	0.0	0,0,0
309	0.03	0.06	0.04	83,83,79	0.0	0.0	0.0	0,0,0
310	0.04	0.09	0.05	84,84,80	0.0	0.0	0.0	0,0,0
311	0.04	0.10	0.05	84,84,80	0.0	0.0	0.0	0,0,0
312	0.06	0.11	0.07	82,84,78	0.0	0.0	0.0	0,0,0
313	0.04	0.13	0.05	84,84,80	0.0	0.0	0.0	0,0,0
314	0.03	0.07	0.03	83,83,79	0.0	0.0	0.0	0,0,0
315	0.04	0.12	0.05	83,83,79	0.0	0.0	0.0	0,0,0
316	0.05	0.17	0.07	84,84,80	0.0	0.0	0.0	0,0,0
317	0.06	0.19	0.08	84,84,80	0.0	0.0	0.0	0,0,0

318	0.06	0.17	0.08	82,82,78	0.0	0.0	0.0	0,0,0
319	0.04	0.15	0.04	84,84,80	0.0	0.0	0.0	0,0,0
320	0.02	0.04	0.03	84,83,80	0.0	0.0	0.0	0,0,0
321	0.02	0.05	0.02	84,84,80	0.0	0.0	0.0	0,0,0
322	0.03	0.05	0.04	84,84,80	0.0	0.0	0.0	0,0,0
323	0.05	0.05	0.07	82,82,78	0.0	0.0	0.0	0,0,0
324	0.09	0.16	0.12	82,84,78	0.0	0.0	0.0	0,0,0
325	0.04	0.11	0.05	84,83,80	0.0	0.0	0.0	0,0,0
326	0.03	0.06	0.03	84,83,80	0.0	0.0	0.0	0,0,0
327	0.02	0.06	0.03	84,83,80	0.0	0.0	0.0	0,0,0
328	0.04	0.06	0.05	84,83,80	0.0	0.0	0.0	0,0,0
329	0.07	0.06	0.09	82,82,78	0.0	0.0	0.0	0,0,0
330	0.13	0.30	0.17	84,84,80	0.0	0.0	0.0	0,0,0
331	0.06	0.14	0.06	82,84,78	0.0	0.0	0.0	0,0,0
332	0.03	0.05	0.04	82,83,80	0.0	0.0	0.0	0,0,0
333	0.03	0.06	0.04	83,81,79	0.0	0.0	0.0	0,0,0
334	0.05	0.06	0.06	82,81,78	0.0	0.0	0.0	0,0,0
335	0.09	0.09	0.12	82,82,78	0.0	0.0	0.0	0,0,0
336	0.18	0.36	0.23	84,84,80	0.0	0.0	0.0	0,0,0
337	0.08	0.24	0.09	82,84,78	0.0	0.0	0.0	0,0,0
338	0.03	0.04	0.04	82,83,80	0.0	0.0	0.0	0,0,0
339	0.03	0.06	0.04	83,81,79	0.0	0.0	0.0	0,0,0
340	0.05	0.07	0.07	82,81,78	0.0	0.0	0.0	0,0,0
341	0.10	0.12	0.12	82,82,78	0.0	0.0	0.0	0,0,0
342	0.16	0.28	0.21	84,84,80	0.0	0.0	0.0	0,0,0
343	0.08	0.25	0.09	82,84,78	0.0	0.0	0.0	0,0,0
344	0.03	0.04	0.04	82,83,80	0.0	0.0	0.0	0,0,0
345	0.03	0.06	0.04	83,81,79	0.0	0.0	0.0	0,0,0
346	0.05	0.07	0.07	82,81,78	0.0	0.0	0.0	0,0,0
347	0.10	0.12	0.12	82,82,78	0.0	0.0	0.0	0,0,0
348	0.16	0.29	0.21	84,84,80	0.0	0.0	0.0	0,0,0
349	0.06	0.14	0.06	82,84,78	0.0	0.0	0.0	0,0,0
350	0.03	0.05	0.04	82,83,80	0.0	0.0	0.0	0,0,0
351	0.03	0.06	0.04	83,81,79	0.0	0.0	0.0	0,0,0
352	0.05	0.06	0.06	82,81,78	0.0	0.0	0.0	0,0,0
353	0.09	0.08	0.11	82,82,78	0.0	0.0	0.0	0,0,0
354	0.19	0.38	0.24	84,84,80	0.0	0.0	0.0	0,0,0
355	0.04	0.11	0.05	84,83,80	0.0	0.0	0.0	0,0,0
356	0.03	0.06	0.03	84,83,80	0.0	0.0	0.0	0,0,0
357	0.02	0.06	0.03	84,82,80	0.0	0.0	0.0	0,0,0
358	0.04	0.07	0.05	84,82,80	0.0	0.0	0.0	0,0,0
359	0.07	0.06	0.09	82,82,78	0.0	0.0	0.0	0,0,0
360	0.14	0.33	0.17	84,84,80	0.0	0.0	0.0	0,0,0
361	0.04	0.15	0.04	84,84,80	0.0	0.0	0.0	0,0,0
362	0.02	0.04	0.03	84,83,80	0.0	0.0	0.0	0,0,0
363	0.02	0.05	0.03	84,82,80	0.0	0.0	0.0	0,0,0
364	0.03	0.06	0.04	84,82,80	0.0	0.0	0.0	0,0,0
365	0.05	0.05	0.06	82,82,78	0.0	0.0	0.0	0,0,0
366	0.09	0.16	0.12	82,84,78	0.0	0.0	0.0	0,0,0
367	0.04	0.13	0.05	84,84,80	0.0	0.0	0.0	0,0,0
368	0.03	0.07	0.03	83,83,79	0.0	0.0	0.0	0,0,0
369	0.04	0.12	0.05	83,83,79	0.0	0.0	0.0	0,0,0
370	0.05	0.17	0.07	84,84,80	0.0	0.0	0.0	0,0,0
371	0.06	0.19	0.07	84,82,80	0.0	0.0	0.0	0,0,0
372	0.06	0.18	0.08	82,82,78	0.0	0.0	0.0	0,0,0
Setto	rRfck 0.19	rRfyk 0.38	rPfck 0.24		wR 0.0	wF 0.0	wP 0.0	
Guscio	rRfck	rRfyk	rPfck	Rif. cmb	wR mm	wF mm	wP mm	Rif. cmb
1	0.13	0.27	0.17	82,82,78	0.0	0.0	0.0	0,0,0
2	0.11	0.23	0.15	82,84,78	0.0	0.0	0.0	0,0,0
3	0.11	0.23	0.14	84,84,80	0.0	0.0	0.0	0,0,0
4	0.11	0.22	0.14	84,84,80	0.0	0.0	0.0	0,0,0
5	0.13	0.27	0.17	82,82,78	0.0	0.0	0.0	0,0,0
6	0.15	0.33	0.18	84,84,80	0.0	0.0	0.0	0,0,0
7	0.10	0.19	0.12	84,84,80	0.0	0.0	0.0	0,0,0
8	0.13	0.27	0.17	82,82,78	0.0	0.0	0.0	0,0,0
9	0.14	0.28	0.18	82,82,78	0.0	0.0	0.0	0,0,0
10	0.08	0.15	0.10	84,84,80	0.0	0.0	0.0	0,0,0
11	0.06	0.11	0.07	82,82,78	0.0	0.0	0.0	0,0,0
12	0.13	0.26	0.17	82,82,78	0.0	0.0	0.0	0,0,0
13	0.13	0.26	0.17	82,82,78	0.0	0.0	0.0	0,0,0
14	0.02	0.05	0.03	84,84,80	0.0	0.0	0.0	0,0,0
15	0.05	0.11	0.07	82,82,78	0.0	0.0	0.0	0,0,0

16	0.08	0.16	0.10	84,84,80	0.0	0.0	0.0	0,0,0
17	0.08	0.17	0.10	84,84,80	0.0	0.0	0.0	0,0,0
18	0.11	0.20	0.13	84,84,80	0.0	0.0	0.0	0,0,0
19	0.25	0.49	0.32	84,84,80	0.13	0.0	0.13	84,0,80
20	0.16	0.34	0.22	82,81,78	0.0	0.0	0.0	0,0,0
21	0.09	0.19	0.11	84,84,80	0.0	0.0	0.0	0,0,0
22	0.06	0.12	0.07	82,82,78	0.0	0.0	0.0	0,0,0
23	0.04	0.08	0.05	84,84,80	0.0	0.0	0.0	0,0,0
24	0.12	0.23	0.14	84,84,80	0.0	0.0	0.0	0,0,0
25	0.13	0.26	0.17	82,82,78	0.0	0.0	0.0	0,0,0
26	0.15	0.32	0.18	84,84,80	0.0	0.0	0.0	0,0,0
27	0.13	0.26	0.16	84,84,80	0.0	0.0	0.0	0,0,0
28	0.21	0.44	0.27	84,84,80	0.12	0.0	0.0	84,0,0
29	0.10	0.19	0.12	84,84,80	0.0	0.0	0.0	0,0,0
30	0.04	0.07	0.05	84,84,80	0.0	0.0	0.0	0,0,0
31	0.07	0.13	0.08	84,84,80	0.0	0.0	0.0	0,0,0
32	0.14	0.29	0.18	84,84,80	0.0	0.0	0.0	0,0,0
33	0.13	0.26	0.16	84,84,80	0.0	0.0	0.0	0,0,0
34	0.20	0.36	0.26	82,82,78	0.0	0.0	0.0	0,0,0
35	0.16	0.32	0.20	84,84,80	0.0	0.0	0.0	0,0,0
36	0.14	0.27	0.18	82,82,78	0.0	0.0	0.0	0,0,0
37	0.11	0.23	0.14	84,84,80	0.0	0.0	0.0	0,0,0
38	0.21	0.39	0.27	82,82,78	0.10	0.0	0.09	82,0,78
39	0.20	0.42	0.26	84,84,80	0.0	0.0	0.0	0,0,0
40	0.18	0.41	0.23	84,84,80	0.0	0.0	0.0	0,0,0
41	0.24	0.48	0.31	84,84,80	0.13	0.0	0.12	84,0,80
42	0.14	0.28	0.18	84,84,80	0.0	0.0	0.0	0,0,0
43	0.13	0.27	0.18	82,82,78	0.0	0.0	0.0	0,0,0
44	0.17	0.35	0.22	82,82,78	0.0	0.0	0.0	0,0,0
45	0.03	0.06	0.03	84,84,80	0.0	0.0	0.0	0,0,0
46	0.13	0.26	0.17	82,82,78	0.0	0.0	0.0	0,0,0
47	0.16	0.33	0.20	84,84,80	0.0	0.0	0.0	0,0,0
48	0.08	0.15	0.10	84,84,80	0.0	0.0	0.0	0,0,0
49	0.07	0.12	0.08	84,84,80	0.0	0.0	0.0	0,0,0
50	0.14	0.27	0.18	82,82,78	0.0	0.0	0.0	0,0,0
51	0.21	0.46	0.25	84,84,80	0.13	0.0	0.0	84,0,0
52	0.14	0.29	0.16	84,84,80	0.0	0.0	0.0	0,0,0
53	0.12	0.25	0.16	84,84,80	0.0	0.0	0.0	0,0,0
54	0.11	0.23	0.14	84,84,80	0.0	0.0	0.0	0,0,0
55	0.11	0.22	0.14	84,84,80	0.0	0.0	0.0	0,0,0
56	0.07	0.17	0.09	84,84,80	0.0	0.0	0.0	0,0,0
57	0.07	0.16	0.09	84,84,80	0.0	0.0	0.0	0,0,0
58	0.03	0.06	0.04	84,84,80	0.0	0.0	0.0	0,0,0
59	0.10	0.19	0.12	84,84,80	0.0	0.0	0.0	0,0,0
60	0.10	0.20	0.13	84,84,80	0.0	0.0	0.0	0,0,0
61	0.16	0.33	0.20	84,84,80	0.0	0.0	0.0	0,0,0
62	0.12	0.23	0.15	82,84,78	0.0	0.0	0.0	0,0,0
63	0.09	0.18	0.12	84,84,80	0.0	0.0	0.0	0,0,0
64	0.16	0.33	0.20	84,84,80	0.0	0.0	0.0	0,0,0
65	0.11	0.22	0.14	84,84,80	0.0	0.0	0.0	0,0,0
66	0.22	0.50	0.27	84,84,80	0.14	0.0	0.13	84,0,80
67	0.20	0.45	0.24	84,84,80	0.12	0.0	0.0	84,0,0
68	0.13	0.26	0.17	82,82,78	0.0	0.0	0.0	0,0,0
69	0.15	0.31	0.19	84,84,80	0.0	0.0	0.0	0,0,0
70	0.12	0.25	0.15	84,84,80	0.0	0.0	0.0	0,0,0
71	0.02	0.05	0.03	84,84,80	0.0	0.0	0.0	0,0,0
72	0.14	0.27	0.18	82,82,78	0.0	0.0	0.0	0,0,0
73	0.15	0.31	0.19	84,84,80	0.0	0.0	0.0	0,0,0
74	0.10	0.19	0.12	84,84,80	0.0	0.0	0.0	0,0,0
75	0.04	0.08	0.05	84,84,80	0.0	0.0	0.0	0,0,0
76	0.08	0.16	0.10	84,84,80	0.0	0.0	0.0	0,0,0
77	0.16	0.33	0.20	84,84,80	0.0	0.0	0.0	0,0,0
78	0.14	0.30	0.19	84,84,80	0.0	0.0	0.0	0,0,0
79	0.04	0.07	0.04	84,84,80	0.0	0.0	0.0	0,0,0
80	0.14	0.30	0.19	84,84,80	0.0	0.0	0.0	0,0,0
81	0.14	0.29	0.18	84,84,80	0.0	0.0	0.0	0,0,0
82	0.05	0.11	0.07	82,82,78	0.0	0.0	0.0	0,0,0
83	0.14	0.30	0.17	84,84,80	0.0	0.0	0.0	0,0,0
84	0.12	0.23	0.14	84,84,80	0.0	0.0	0.0	0,0,0
85	0.16	0.33	0.20	84,84,80	0.0	0.0	0.0	0,0,0
86	0.13	0.26	0.17	81,81,77	0.0	0.0	0.0	0,0,0
87	0.09	0.18	0.12	84,84,80	0.0	0.0	0.0	0,0,0
88	0.03	0.07	0.04	84,84,80	0.0	0.0	0.0	0,0,0
89	0.03	0.06	0.03	84,84,80	0.0	0.0	0.0	0,0,0
90	0.20	0.42	0.26	84,84,80	0.0	0.0	0.0	0,0,0
91	0.09	0.19	0.11	84,84,80	0.0	0.0	0.0	0,0,0
92	0.14	0.29	0.18	84,84,80	0.0	0.0	0.0	0,0,0

93	0.08	0.15	0.09	84,84,80	0.0	0.0	0.0	0,0,0
94	0.19	0.40	0.25	84,84,80	0.0	0.0	0.0	0,0,0
95	0.07	0.14	0.09	84,84,80	0.0	0.0	0.0	0,0,0
96	0.07	0.14	0.08	84,84,80	0.0	0.0	0.0	0,0,0
97	0.07	0.17	0.08	84,84,80	0.0	0.0	0.0	0,0,0
98	0.06	0.14	0.07	84,84,80	0.0	0.0	0.0	0,0,0
99	0.04	0.10	0.05	84,84,80	0.0	0.0	0.0	0,0,0
100	0.06	0.16	0.08	84,84,80	0.0	0.0	0.0	0,0,0
101	0.06	0.15	0.07	84,84,80	0.0	0.0	0.0	0,0,0
102	0.04	0.10	0.05	84,84,80	0.0	0.0	0.0	0,0,0
103	0.03	0.07	0.03	82,82,78	0.0	0.0	0.0	0,0,0
104	0.06	0.15	0.07	84,84,80	0.0	0.0	0.0	0,0,0
105	0.15	0.34	0.19	84,84,80	0.0	0.0	0.0	0,0,0
106	0.03	0.09	0.04	84,84,80	0.0	0.0	0.0	0,0,0
107	0.05	0.13	0.06	84,84,80	0.0	0.0	0.0	0,0,0
108	0.07	0.17	0.08	84,84,80	0.0	0.0	0.0	0,0,0
109	0.07	0.18	0.09	84,84,80	0.0	0.0	0.0	0,0,0
110	0.09	0.19	0.11	84,84,80	0.0	0.0	0.0	0,0,0
111	0.04	0.11	0.05	84,84,80	0.0	0.0	0.0	0,0,0
112	0.08	0.18	0.09	84,84,80	0.0	0.0	0.0	0,0,0
113	0.08	0.18	0.10	84,84,80	0.0	0.0	0.0	0,0,0
114	0.03	0.06	0.03	83,83,79	0.0	0.0	0.0	0,0,0
115	0.14	0.31	0.18	84,84,80	0.0	0.0	0.0	0,0,0
116	0.15	0.36	0.19	84,84,80	0.0	0.0	0.0	0,0,0
117	0.04	0.11	0.05	84,84,80	0.0	0.0	0.0	0,0,0
118	0.04	0.11	0.05	84,84,80	0.0	0.0	0.0	0,0,0
119	0.03	0.08	0.04	84,84,80	0.0	0.0	0.0	0,0,0
120	0.04	0.09	0.04	84,84,80	0.0	0.0	0.0	0,0,0
121	0.07	0.17	0.09	84,84,80	0.0	0.0	0.0	0,0,0
122	0.04	0.10	0.05	84,84,80	0.0	0.0	0.0	0,0,0
123	0.05	0.12	0.06	84,84,80	0.0	0.0	0.0	0,0,0
124	0.15	0.33	0.18	84,84,80	0.0	0.0	0.0	0,0,0
125	0.03	0.06	0.03	82,82,79	0.0	0.0	0.0	0,0,0
126	0.03	0.08	0.04	84,84,80	0.0	0.0	0.0	0,0,0
127	0.05	0.14	0.06	84,84,80	0.0	0.0	0.0	0,0,0
128	0.06	0.14	0.06	82,82,78	0.0	0.0	0.0	0,0,0
129	0.05	0.12	0.06	84,84,80	0.0	0.0	0.0	0,0,0
130	0.15	0.36	0.19	84,84,80	0.0	0.0	0.0	0,0,0
131	0.04	0.11	0.05	82,82,78	0.0	0.0	0.0	0,0,0
132	0.05	0.14	0.06	84,84,80	0.0	0.0	0.0	0,0,0
133	0.04	0.10	0.05	84,84,80	0.0	0.0	0.0	0,0,0
134	0.14	0.34	0.18	84,84,80	0.0	0.0	0.0	0,0,0
135	0.15	0.33	0.19	84,84,80	0.0	0.0	0.0	0,0,0
136	0.06	0.16	0.07	84,84,79	0.0	0.0	0.0	0,0,0
137	0.15	0.34	0.19	84,84,80	0.0	0.0	0.0	0,0,0
138	0.06	0.14	0.06	82,84,78	0.0	0.0	0.0	0,0,0
139	0.05	0.14	0.06	84,84,80	0.0	0.0	0.0	0,0,0
140	0.15	0.35	0.19	84,84,80	0.0	0.0	0.0	0,0,0
141	0.08	0.18	0.10	84,84,80	0.0	0.0	0.0	0,0,0
142	0.07	0.18	0.09	84,84,80	0.0	0.0	0.0	0,0,0
143	0.09	0.20	0.11	84,84,80	0.0	0.0	0.0	0,0,0
144	0.03	0.09	0.04	84,84,80	0.0	0.0	0.0	0,0,0
145	0.05	0.15	0.06	84,82,80	0.0	0.0	0.0	0,0,0
146	0.07	0.17	0.09	84,84,80	0.0	0.0	0.0	0,0,0
147	0.07	0.19	0.09	84,84,80	0.0	0.0	0.0	0,0,0
148	0.04	0.11	0.05	84,84,80	0.0	0.0	0.0	0,0,0
149	0.06	0.15	0.07	84,84,80	0.0	0.0	0.0	0,0,0
150	0.07	0.16	0.08	84,84,80	0.0	0.0	0.0	0,0,0
151	0.03	0.08	0.03	84,84,80	0.0	0.0	0.0	0,0,0
152	0.03	0.14	0.03	84,84,80	0.0	0.0	0.0	0,0,0
153	0.03	0.14	0.03	84,84,80	0.0	0.0	0.0	0,0,0
154	0.03	0.08	0.04	84,84,80	0.0	0.0	0.0	0,0,0
155	0.03	0.06	0.03	82,82,79	0.0	0.0	0.0	0,0,0
156	0.03	0.06	0.03	83,83,79	0.0	0.0	0.0	0,0,0
157	0.04	0.11	0.05	82,82,78	0.0	0.0	0.0	0,0,0
158	0.06	0.14	0.07	84,84,80	0.0	0.0	0.0	0,0,0
159	0.03	0.07	0.03	82,84,79	0.0	0.0	0.0	0,0,0
160	0.09	0.20	0.11	84,84,80	0.0	0.0	0.0	0,0,0
161	0.03	0.08	0.03	84,84,80	0.0	0.0	0.0	0,0,0
162	0.07	0.19	0.09	84,84,80	0.0	0.0	0.0	0,0,0
163	0.06	0.16	0.07	84,84,79	0.0	0.0	0.0	0,0,0
164	0.07	0.18	0.09	84,84,80	0.0	0.0	0.0	0,0,0
165	0.15	0.34	0.19	84,84,80	0.0	0.0	0.0	0,0,0
166	0.06	0.15	0.07	84,84,80	0.0	0.0	0.0	0,0,0
167	0.09	0.19	0.11	84,84,80	0.0	0.0	0.0	0,0,0
168	0.07	0.17	0.08	84,84,80	0.0	0.0	0.0	0,0,0
169	0.15	0.33	0.19	84,84,80	0.0	0.0	0.0	0,0,0

170	0.03	0.07	0.03	82,82,78	0.0	0.0	0.0	0,0,0
171	0.08	0.18	0.09	84,84,80	0.0	0.0	0.0	0,0,0
172	0.04	0.11	0.05	84,84,80	0.0	0.0	0.0	0,0,0
173	0.09	0.20	0.11	84,84,80	0.0	0.0	0.0	0,0,0
174	0.15	0.34	0.19	84,84,80	0.0	0.0	0.0	0,0,0
175	0.07	0.17	0.09	84,84,80	0.0	0.0	0.0	0,0,0
176	0.15	0.35	0.19	84,84,80	0.0	0.0	0.0	0,0,0
177	0.06	0.14	0.07	84,84,80	0.0	0.0	0.0	0,0,0
178	0.05	0.13	0.06	84,84,80	0.0	0.0	0.0	0,0,0
179	0.04	0.10	0.05	84,84,80	0.0	0.0	0.0	0,0,0
180	0.04	0.09	0.04	84,84,80	0.0	0.0	0.0	0,0,0
181	0.09	0.20	0.11	84,84,80	0.0	0.0	0.0	0,0,0
182	0.16	0.36	0.20	84,84,80	0.0	0.0	0.0	0,0,0
183	0.03	0.07	0.03	82,84,79	0.0	0.0	0.0	0,0,0
184	0.08	0.18	0.10	84,84,80	0.0	0.0	0.0	0,0,0
185	0.03	0.07	0.04	84,84,80	0.0	0.0	0.0	0,0,0
186	0.14	0.30	0.17	84,84,80	0.0	0.0	0.0	0,0,0
187	0.04	0.10	0.05	84,84,80	0.0	0.0	0.0	0,0,0
188	0.06	0.14	0.07	82,82,80	0.0	0.0	0.0	0,0,0
189	0.04	0.11	0.05	84,84,80	0.0	0.0	0.0	0,0,0
190	0.14	0.30	0.17	84,84,80	0.0	0.0	0.0	0,0,0
191	0.05	0.13	0.06	84,84,80	0.0	0.0	0.0	0,0,0
192	0.05	0.13	0.06	84,84,80	0.0	0.0	0.0	0,0,0
Guscio	rRfck	rRfyk	rPfck		wR	wF	wP	
	0.25	0.50	0.32		0.14	0.0	0.13	